



AGRICULTURAL STATISTICS AT A GLANCE 2017



Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation & Farmers Welfare
Directorate of Economics & Statistics

**Agricultural Statistics
at a Glance 2017**



Agricultural Statistics at a Glance 2017

Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation & Farmers Welfare
Directorate of Economics and Statistics

© Government of India
Controller of Publications

PDES – 258 (E)
500-2019 (DSK-III)

Dr. S.K. Pattanayak
SECRETARY



भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
Government of India
Ministry of Agriculture & Farmers Welfare
Department of Agriculture, Cooperation
& Farmers Welfare

MESSAGE

Agriculture and allied sector is the cornerstone of Indian economy, being watched keenly by not only the policy makers but also by business and industry, and the academia. The Directorate of Economics and Statistics caters to this demand by annually publishing "*Agricultural Statistics at a Glance*". Over the years, this publication has become a trusted source of reference to people and organizations dealing with agricultural economy.

It gives me immense pleasure to see that the Directorate has continuously endeavored to increase the relevance of this publication by adding information on new areas of concern and relevance for the agriculture sector. This issue includes the updated information on recent initiatives by the Government, viz., coverage under Soil Health Card, Pradhan Mantri Fasal Bima Yojana (PMFBY), Micro Irrigation, etc. This publication is also being simultaneously released electronically on the website of the Department of Agriculture, Cooperation and Farmers Welfare www.agricoop.nic.in and <http://eands.dacnet.nic>

I compliment Shri P.C. Bodh, Adviser, Ms. Swati Singla, Assistant Economic Adviser, Shri Ashutosh Sharma, Economic Officer and their team members for their efforts in bringing out this volume.

I am sure that this issue will be found useful by one and all.

(S.K. Pattanayak)

Date: July 4, 2018

SUDHA P. RAO
Principal Adviser



भारत सरकार
कृषि एवं किसान कल्याण मंत्रालय
(कृषि, सहकारिता एवं किसान कल्याण विभाग)
कृषि भवन, नई दिल्ली-110 001
Government of India
Ministry of Agriculture & Farmers Welfare
(Department of Agriculture,
Cooperation & Farmers Welfare)
Krishi Bhawan, New Delhi-110001
Tel.:011-23382719, Fax: 011-23073225
E-mail : pradviser-agri@gov.in

FOREWORD

The Directorate of Economics and Statistics brings out its flagship publication “Agricultural Statistics at a Glance” every year. The publication is widely used as a trusted source of information on various aspects of agriculture and allied sector, including crop production and productivity, growth and investment in agriculture, minimum support price, cost of production, terms of trade, imports and exports, land-use statistics, agricultural inputs, rainfall distribution, etc.

The wide coverage of data in a single book makes it a much sought after and valued publication. The publication will be of immense use to policy makers, farmers, researchers, scientists, administrators, trade, industry, statisticians, economists and the general public. I am sure that this new edition will be appreciated for its rich content, up-to-date coverage of data on the agriculture and allied sectors.

Sudha P Rao
(Sudha P. Rao)

Date: June, 2018

K.L. Prasad

Sr. Economic and Statistical Adviser



अर्थ एवं सांख्यिकी निदेशालय
कृषि, सहकारिता एवं किसान कल्याण विभाग
कृषि एवं किसान कल्याण मंत्रालय
भारत सरकार
कृषि भवन, नई दिल्ली-110 001

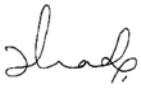
Directorate of Economics & Statistics
Department of Agriculture, Cooperation
& Farmers Welfare
Ministry of Agriculture & Farmers Welfare
Government of India
Krishi Bhawan, New Delhi-110 001
Telefax : 011-23382016
E-mail: office.esa-agri@nic.in
kl.prasad@nic.in

PREFACE

The Directorate of Economics and Statistics, an attached office of the Department of Agriculture, Cooperation & Farmers Welfare, has been entrusted with an important task of collating and analyzing data on various aspects of Indian agriculture with a view to assist in policy formulation. Its annual flagship publication "Agricultural Statistics at a Glance" is a rich source of data on a wide range of parameters, such as area, production and productivity of various crops across States, land-use statistics, price support and procurement, international trade, credit and insurance.

This issue of the publication has been enriched with latest available information on above aspects and other useful information on emerging areas in agriculture sector. For wider accessibility, a soft copy of the publication has also been uploaded at our website: www.agricoop.nic.in & <http://eands.dacnet.nic.in/>.

I am grateful to the various contributing Ministries/ Departments/ Organizations for providing us with the updated material for the publication. I also record my gratitude to all the officers of the Directorate of Economics and Statistics, particularly Shri P.C. Bodh, Adviser and his team for their efforts in bringing out this enriched volume. I look forward to comments and suggestions for improvement.


(K.L Prasad)

June 28, 2018

Team associated with the Publication

Chief Supervision

Shri P.C. Bodh

Adviser

Supervision

Ms. Swati Singla

Assistant Economic Adviser

Shri Ashutosh Sharma

Economic Officer

Compilation & Computerization

Shri Manish Yadav

Junior Statistical Officer

Ms. Neha Arora

Technical Assistant (Eco)

Shri Subhash Dawar

DEO (Gr.-A)

Ms. Sunita Virmani

DEO (Gr.-B)

Support Staff

Shri Rinku

MTS

Contents

	Page No.
Message	v
Foreword	vii
Preface	ix
Team Associated with the Publication	xi
Acronyms	xxiii
Conversion Table	xxvii
1. Methodology of Crop Estimation	1-7
2. Socio-Economic Indicators	9-50
2.1 Selected Economic and Social Indicators	10
2.2 Population and Growth Rate, 2011	13
2.3(a) Population and Agricultural Workers	15
2.3(b) State-wise Classification of Workers 2011	16
2.3(c) State-wise Classifications of Cultivators 2011	22
2.4 State-wise Percentage of Population Below Poverty Line	28
2.5 Population and Labour Force Projections	30
2.6(a) Gross Value Added (GVA) at basic prices by Economic Activity (at 2011-12 prices)	31

2.6(b)	Gross Value Added (GVA) at basic prices by Economic Activity (at Current Prices)	33
2.6(c)	Percentage Share in Gross Value Added (GVA) at Current Prices	35
2.6(d)	Percentage Growth of Gross Value Added (GVA) at 2011-12 Prices	36
2.6(e)	Gross Domestic Product (GDP) by Economic Activity at Constant Prices (2004-05 Series)	37
2.6(f)	Gross Domestic Product(GDP) by Economic Activity at Current Prices (2004-05 Series)	39
2.6(g)	Percentage Share of GDP at 2004-05 Prices	41
2.6(h)	Percentage Growth of GDP at 2004-05 Prices	42
2.7(a)	Gross State Value Added from Agriculture and Allied Sector at Constant (2011-12) Prices	43
2.7(b)	Gross State Value Added from Agriculture (including Crop and Livestock sector) at Constant (2011-12) Prices	45
2.7(c)	Gross State Domestic Product from Agriculture and Allied Sector at Constant (2004-05) Prices	47
2.8	Share of Agriculture & Allied Sector in Gross State Value Added at Current Prices (2011-12 Series)	49
3. Outlays, Expenditure and Capital Formation in Agriculture		51-72
3.1	Share of Public Sector Outlays and Expenditure under Agriculture and Allied Activities	52
3.2	Public Sector Outlays / Expenditure	54
3.3	Disaggregated Public Sector Outlays / Expenditure under Agriculture and Allied Activities	56
3.4(a)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Agriculture, Cooperation and Farmers Welfare	58
3.4(b)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Animal Husbandry, Dairying and Fisheries	59
3.4(c)	Budget Estimate, Revised Estimate and Actual Expenditure of Department of Agricultural Research and Education	60

3.5(a)	Scheme-wise Budget Estimate and Expenditure (Department of Agriculture, Cooperation and Farmers Welfare)	61
3.5(b)	Scheme-wise Budget Estimate and Expenditure (Department of Animal Husbandry and Fisheries)	63
3.5(c)	Scheme-wise Budget Estimate and Expenditure (Department of Agricultural Research and Education)	65
3.6(a)	(Gross Capital Formation in Agriculture & Allied Sector (at current prices, 2004-05 series)	67
3.6(b)	Gross Capital Formation in Agriculture & Allied Sector (at current prices, 2011-12 series)	68
3.6(c)	Gross Capital Formation in Agriculture & Allied Sector (at constant prices, 2004-05)	69
3.6(d)	Gross Capital Formation in Agriculture & Allied Sector (at constant prices, 2011-12)	70
3.7(a)	Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (Current prices)	70
3.7(b)	Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (2011-12 prices)	71
3.8(a)	Share(%) of GCF to GDP in Agriculture and Allied Sectors	71
3.8(b)	Share(%) of GCF to GVA in Agriculture and Allied Sectors	72
4 (A)	Area, Production and Yield of Principal Crops	73-151
4.1(a)	Target and Achievement of Production of Major Crops during Tenth Five Year Plan	74
4.1(b)	Target and Achievement of Production of Major Crops during Eleventh and Twelfth Five Year Plans	75
4.2	Three Largest Producing States of Important Crops during 2016-17	76
4.3	Normal Estimates (Average of 2010-11 to 2015-16) Area, Production and Yield of Major Crops in India	78
4.4	Season-wise Area, Production and Yield of Food grains	80
Area, Production and Yield alongwith coverage under Irrigation		
4.5(a)	Foodgrains - All India	83
4.5(b)	Foodgrains - Major States	85

4.6(a)	Rice - All India	87
4.6(b)	Rice - Major States	89
4.7(a)	Wheat - All India	90
4.7(b)	Wheat - Major States	92
4.8(a)	Coarse Cereals - All India	93
4.8(b)	Coarse Cereals - Major States	95
4.9(a)	Jowar - All India	97
4.9(b)	Jowar - Major States	99
4.10(a)	Bajra - All India	100
4.10(b)	Bajra - Major States	102
4.11(a)	Maize - All India	103
4.11(b)	Maize - Major States	105
4.12(a)	Total Pulses - All India	106
4.12(b)	Total Pulses - Major States	108
4.13(a)	Gram - All India	109
4.13(b)	Gram - Major States	111
4.14(a)	Tur (Arhar) - All India	112
4.14(b)	Tur (Arhar) - Major States	114
4.15(a)	Lentil (Masur) - All India	115
4.15(b)	Lentil (Masur) - Major States	117
4.16(a)	Nine Oilseeds - All India	118
4.16(b)	Nine Oilseeds - Major States	120
4.17(a)	Groundnut - All India	121
4.17(b)	Groundnut - Major States	123
4.18(a)	Rapeseed & Mustard - All India	124
4.18(b)	Rapeseed & Mustard - Major States	126
4.19(a)	Soybean - All India	127
4.19(b)	Soybean - Major States	129
4.20(a)	Sunflower - All India	130
4.20(b)	Sunflower - Major States	132
4.21(a)	Cotton - All India	133
4.21(b)	Cotton - Major States	135
4.22(a)	Jute & Mesta - All India	136
4.22(b)	Jute & Mesta - Major States	138
4.23(a)	Sugarcane - All India	139
4.23(b)	Sugarcane - Major States	141

4.24(a)	Tobacco - All India	142
4.24(b)	Tobacco - Major States	144
4.25	All-India Area, Production and Yield of Guarseed and Sunhemp	145
4.26	Production of Oilseeds/Oils and Net Availability of Edible Oils (November-October)	146
4.27	State wise Quantity of Crude Palm Oil (CPO) under Oil Palm Development Programme (OPDP)	148
4.28(a)	State-wise Production of Oil Palm Fresh Fruit Bunches	149
4.28(b)	Target and Achievement of Area Expansion under Oil Palm Development Programme (OPDP) of ISOPOM, NMOOP and OPAE	150
4.28(c)	State-wise potential area and area Covered Under Oil Palm Development Programme upto 2016-17	151
4 (B)	Yield Rates of Principal Crops	152-196
4.1.1	All India Estimates of yield of Major Crops	153
State-wise yield		
4.1.2	Kharif Foodgrains	155
4.1.3	Rabi Foodgrains	157
4.1.4	Total Foodgrains	159
4.1.5	Rice	161
4.1.6	Wheat	166
4.1.7	Bajra	168
4.1.8	Maize	170
4.1.9	Total Pulses	174
4.1.10	Gram	176
4.1.11	Tur	178
4.1.12	Total Oilseeds	180
4.1.13	Kharif Oilseeds	182
4.1.14	Rabi Oilseeds	184
4.1.15	Groundnut	186
4.1.16	Rapeseed & Mustard	189
4.1.17	Linseed	191
4.1.18	Safflower	192
4.1.19	Sunflower	193
4.1.20	Soybean	196

4 (C) Area and Yield of Cereal Crops covered under Crop Estimation Survey (CES) 197-220

Area under High Yielding Varieties in Major States		
4.2.1	Rice	198
4.2.2	Jowar	200
4.2.3	Bajra	201
4.2.4	Maize	202
4.2.5	Wheat	204
Yield of Local Varieties in Major States		
4.2.6	Rice	205
4.2.7	Jowar	208
4.2.8	Bajra	209
4.2.9	Maize	210
4.2.10	Wheat	212
Yield of High Yielding Varieties in Major States		
4.2.11	Rice	213
4.2.12	Jowar	216
4.2.13	Bajra	217
4.2.14	Maize	218
4.2.15	Wheat	220
5. Area, Production and Yield of Horticulture & Plantation Crops		221-244
5.1	Area and Production of Horticulture Crops	222
5.2	State-wise Area and Production of various Horticultural Crops during 2016-17	227
5.3(a)	Potato – All India	229
5.3(b)	Potato – Major States	231
5.4(a)	Onion – All India	232
5.4(b)	Onion – Major States	233
5.5(a)	Coconut – All India	234
5.5(b)	Coconut – Major States	235
5.6(a)	Cashewnut – All India	236
5.6(b)	Cashewnut – Major States	237
5.7	Arecanut and Banana – All India	238

5.8	Garlic and Ginger – All India	239
5.9	Sweet Potato and Tapioca – All India	240
5.10	Turmeric, Chilies and Coriander - All India	241
5.11	Cardamom and Pepper – All India.	243
6.	All India Index Numbers of Area, Production, Yield and Terms of Trade	245-256
6.1	All India Index Numbers of Area of Principal Crops	246
6.2	All India Index Numbers of Production of Principal Crops	249
6.3	All India Index Numbers of Yield of Principal Crops	252
6.4(a)	Index of Terms of Trade between Farmers and Non-Farmers	255
6.4(b)	Index of Terms of Trade between Agriculture and Non-Agricultural sectors	256
7.	Area, Production and Yield of Major Crops in Different Countries	257-262
7.1	Area, Production and Yield of Principal Crops in various countries during 2015	258
7.2	India's Position in World Agriculture during 2015	260
8.	Minimum Support Prices/ Marketed Surplus Ratios	263-276
8.1	Minimum Support Prices of Various Agriculture Commodities	264
8.2	Central Issue Prices of Rice, Wheat and Coarse Grains	266
8.3	Cost Estimates of Principal Crops-2014-15	267
8.4	Marketed Surplus Ratio (MSR) of Important Agricultural Commodities in various States	272
9.	Procurement by Public Agencies	277-286
9.1(a)	State-wise Procurement of Rice and Wheat in Major Rice & Wheat Producing States	278
9.1(b)	State-wise Procurement of Coarse Grains in Major Producing States	280
9.2(a)	State wise Cotton Purchases by Cotton Corporation of India	281
9.2(b)	Procurement of Cotton by NAFED	282
9.3	State-wise Purchases of Raw Jute	283

9.4	Procurement of Oilseeds by NAFED under Price Support Scheme (PSS)	284
9.5	Procurement of Onion by NAFED under Market Intervention Scheme	286
10.	Per Capita Net Availability	287-296
10.1	Per Capita Net Availability of Food grains (Per Annum) in India	288
10.2	Per Capita Net Availability of Food grains (Per Day) in India	290
10.3	Per Capita Availability of Certain Important Articles of Consumption	292
10.4(a)	Trends in percentage composition of consumer expenditure since 1993-94	294
10.4(b)	Per capita Consumption of Different Commodities	295
11.	Stock, Consumption and Storage Capacity	297-304
11.1(a)	Stock of Foodgrains in the Central Pool	298
11.1(b)	Existing Buffer Stock Norms for Foodgrains	299
11.2	Consumption and Stocks of Raw Jute	300
11.3(a)	State-wise Storage capacity	301
11.3(b)	State-wise Cold Storage capacity as on 31-03-2017	302
11.3(c)	State-wise Storage capacity sanctioned since inception under Agricultural Marketing Infrastructure (AMI), Sub-Scheme of Integrated Scheme on Agricultural Marketing (ISAM)	303
12.	Imports/ Exports/ Inflation Rates	305-328
12.1	India's Imports and Exports of Agricultural Commodities	306
12.2	India's Imports of Agricultural Products	307
12.3	India's Exports of Agricultural Products	313
12.4	Tariffs and Bound Rates on Major Agricultural Commodities/Groups	319
12.5(a)	Trends in Wholesale Price Index of Food grains (Base: 2004-05=100)	322
12.5(b)	Growth Rates of Wholesales price Index of Food grains (Base: 2004-05=100)	323

12.6(a)	Trends in Wholesale Price Index of Commercial Crops (Base: 2004-05=100)	324
12.6(b)	Growth rate (Inflation) of Wholesale Price Index of Commercial Crops (Base: 2004-05=100)	326
13.	Land Use Statistics	329-352
13.1	Agricultural Land by Use in India	330
13.2	Selected Categories of Land Use	334
13.3	Gross Cropped Area Percentage Distribution	336
13.4	State-wise Percent coverage of Irrigated Area under Principal Crops during 2014-15	337
13.5	Agricultural Land by Type of Use	341
13.6	Irrigation Potential Created under Accelerated Irrigation Benefit Programme (AIBP) – All Major & Medium Irrigation Projects	350
13.7	State-wise Area covered under Micro Irrigation as on 31.03.2017	352
14.	Inputs	353-408
14.1	Production and Use of Agricultural Inputs in India	354
14.2	All-India Consumption of Fertilizers in Terms of Nutrients (N, P & K)	356
14.3	Consumption, Production and Import of Fertilizers	357
14.4(a)	State-wise Consumption of Fertilizers in Terms of Nutrients (N, P & K)	359
14.4(b)	State-wise Estimated Consumption of Fertilizer per Hectare	361
14.5(a)	Fertilizer Consumption per Hectare of Agricultural Land in selected Countries	363
14.5(b)	Fertilizer Consumption per Hectare of Arable Land & Land under permanent Crops in selected Countries	365
14.6(a)	Application of Fertilizers on Paddy and Wheat in India	367
14.6(b)	State-wise Status of Soil Health Card Scheme – Cycle-I	369
14.6(c)	State-wise Status of Soil Health Card Scheme – Cycle-II	371
14.7(a)	Crop-wise Requirement and Availability of Certified/ Quality Seeds	373
14.7(b)	Crop-wise Distribution of Certified/ Quality Seeds	375
14.7(c)	Crop-wise Requirement and Availability of Certified/ Quality of Hybrid Seeds	377

14.8(a)	Consumption of Electricity for Agricultural Purposes	378
14.8(b)	State-wise Consumption of Electricity for Agriculture purpose	379
14.9(a)	Flow of Institutional Credit to Agriculture Sector	382
14.9(b)	State-wise Agriculture loan disbursed in 2016-17	383
14.10	State-wise and Agency-wise KCCs- Issued and Amount Outstanding as on 31st March 2017 (Cumulative)	385
14.11(a)	State-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16	387
14.11(b)	Season- wise National Agricultural Insurance Scheme (NAIS)- Cumulative upto Rabi 2015-16	389
14.12(a)	State-wise Weather Based Crop Insurance Scheme (WBCIS)- Cumulative upto Rabi 2015-16	392
14.12(b)	Season- wise Weather Based Crop Insurance Scheme (WBCIS)- Cumulative upto Rabi 2015-16	393
14.13(a)	State-wise Modified National Agricultural Insurance Scheme (MNAIS) Cumulative upto Rabi 2015-16	395
14.13(b)	Season- wise Modified National Agricultural Insurance Scheme (MNAIS)- Cumulative upto Rabi 2015-16	396
14.14	Coconut Palm Insurance Scheme (CPIS)- Cumulative from 2009-10 to 2016-17	397
14.15(a)	State-wise coverage under PMFBY Cumulative upto Rabi 2016-17	398
14.15(b)	Season-wise coverage under PMFBY Cumulative upto Rabi 2016-17	400
14.16(a)	State-wise Restructured Weather Based Crop Insurance Scheme (RWBCIS) - Cumulative upto Rabi 2016-17	401
14.16(b)	Season-wise Restructured Weather Based Crop Insurance Scheme (RWBCIS) - Cumulative upto Rabi 2016-17	403
14.17(a)	State-wise crop area insured under all Insurance Schemes	404
14.17(b)	Crop-wise area insured under all Insurance Schemes	406
14.18(a)	Year-wise sale of Tractors and Power Tillers	407
14.18(b)	State-wise sale of Tractors during 2016-17	408

15. Agricultural Census (2010-11) and Input Survey (2011-12)	409-424
15.1	Number and Area of Operational Holdings by Size Group 410
15.2(a)	Number of Operational Holdings by Size Group 411
15.2(b)	Area of Operational Holdings by Size Group 413
15.3	Average Size of Holdings by Size Group 415
15.4	Estimated Number of Operational Holdings by Size Classes and Irrigation Status 417
15.5	Area Irrigated by different Source of Irrigation by Size Classes 418
15.6	Irrigated and Un-irrigated Area by Size Classes under different Crops 419
15.7	Usage of Chemical Fertilizers, Farm Yard Manure and Pesticides by major Size Group 420
15.8	Estimated Institutional Credit taken for Agricultural purposes by Size Groups 422
15.9	Total Institutional Credit taken for Agriculture purposes by different Size Groups 424
16. Situation of Agricultural Households in India	425-430
16.1	Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households during the agricultural year July 2012-June 2013 426
16.2	Indebtedness of Agricultural Households (all-India) in different Size Classes of Land Possessed 428
16.3	Incidence of Indebtedness in Major States 429
16.4	The Percentage Distribution of Indebted Agricultural Households by size class of land possessed for selected states 430
17. Ceiling on Land Holdings and Wages for Agricultural Workers	431-436
17.1	Ceilings on Land Holdings 432
17.2	Minimum Rates of Wages for different category of Farm Workers in different States/UTs under the Minimum Wages Act,1948 433
18. Livestock	437-444
18.1	Livestock Population in India 438

18.2	All India Production of Milk, Eggs and Wool	439
18.3	State-wise production of Milk, Eggs, Meat and Wool	440
19.	Fish Production	445-448
19.1	Fish Production in India	446
19.2	State-wise Production of Fish	447
20.	Rainfall Scenario and Management of Natural Disasters	449-467
20.1	Rainfall Status	449
20.2	Performance of South West Monsoon during 1989 to 2017	451
20.3	All India Rainfall Distribution from 1992-93 to 2017-18	452
20.4	Broad region wise Monsoon (June-September) Rainfall Distribution from 2005 to 2017	454
20.5	Rainfall in 2017	455
20.6	Brief History of Most Intense Cyclones from 1970 to 2017	457
21.	Conversion Factors between Important Primary and Secondary Agricultural Commodities	469-471
22.	List of Studies Conducted by Agro-Economic Research Centres	472-481
Appendices		482-511
I	Explanatory Notes	483
II	Methodology on Index Numbers	485
III	Glossary of English, Botanical and Hindi Names of Important Crops	487
IV	Crop Calendar of Major Crops	490
V	Harvesting Season of major Fruits	506
VI	Harvesting Season of major Vegetables	508
VII	Seed Rate of Sowing for Important Field Crops	510

Acronyms

AAV	Antyodaya Anna Yojana
AE	Advance Estimate
AGDP	Gross Domestic Product from Agriculture
APL	Above Poverty Line
BE	Budget Estimates
BPL	Below Poverty Line
CACP	Commission for Agricultural Costs and Prices
CBB	Commercial Bank Branch
CCE	Crop Cutting Experiments
CCI	Cotton Corporation of India
CDSBO	Crude Degummed Soyabean Oil
CES	Crop Estimation Surveys
CFA	Central Financial Agency
CIF	Cost, Insurance & Freight
CIP	Central Issue Price
CPI-IW	Consumer Price Index for Industrial Workers
CWWG	Crop Weather Watch Group
DAC&FW	Department of Agriculture, Cooperation & Farmers Welfare

DAP	Di Ammonium Phosphate
DES	Directorate of Economics and Statistics
E	Estimated
EARAS	Establishment of an Agency for Reporting of Agricultural Statistics
FAO	Food and Agriculture Organisation of United Nations
FAQ	Fair Average Quality
F2	Black Soil
F-414/H-777/J-34	Cotton variety (of Medium Staple Length)
H-4/H-6	Cotton variety (of Long Staple Length)
FCI	Food Corporation of India
FDI	Foreign Direct Investment
FFB	Fresh Fruit Bunch
FOD	Field Operations Division of NSSO
FRL	Full Reservoir Level
FYM	Farm Yard Manure
GCA	Gross Cropped Area
GCES	General Crop Estimation Survey
GCF	Gross Capital Formation
GDP	Gross Domestic Product
GNP	Gross National Product
GSDP	Gross State Domestic Product
GVA	Gross Value Added
Ha	Hectares
HYV	High Yielding Varieties
I	Irrigated
IAS	Improvement of Agricultural Statistics
ICAR	Indian Council of Agricultural Research
ICOR	Incremental Capital Output Ratio
ICS	Improvement of Crop Statistics
K	Potash
KCC	Kisan Credit Card
Kgs	Kilograms
KMPH	Kilometers Per Hour

KWH	Kilo Watt Hour
LS	Light Soil
LPCPD	Litres Per Capita Per Day
MSCCGMF	Maharashtra State Co-operative Cotton Growers Marketing Federation
MIS	Market Intervention Scheme
MSP	Minimum Support Price
MSR	Marketed Surplus Ratio
N	Nitrogen
NA	Not Available/Not Announced
NC	Not Collected
NCAER	National Council of Applied Economic Research
NQ	Not Quoted
NAFED	National Agricultural Co-operative Marketing Federation of India Limited
NCAER	National Council of Applied Economic Research
NDDDB	National Dairy Development Board
Neg.	Negligible
NNP	Net National Product
N,P&K	Nitrogen, Phosphate and Potash
NR	Not Recommended/ Not Reported
NS	New Series Estimates
NSA	Net Sown Area
NSSO	National Sample Survey Organisation
OECD	Organisation of Economic Cooperation and Development
OPDP	Oil Palm Development Programme
P	Provisional/ Phosphate
PACS	Primary Agricultural Credit Society
PDS	Public Distribution System
PLDB	Primary Land Development Bank
PMKSY	Pradhan Mantri Krishi Sinchayee Yojana
PMFBY	Pradhan Mantri Fasal Bima Yojana
PSE	Producers Support Estimate
PSEs	Public Sector Enterprises

PSS	Price Support Scheme
QE	Quick Estimate
R	Revised
R&D	Research & Development
R&M	Rapeseed & Mustard
RMC	Regional Ministers Conference
RE	Revised Estimates
RRBB	Regional Rural Bank Branch
SCB	State Cooperative Bank
SDP	State Domestic Product
SASA	State Agricultural Statistical Authority
SHC	Soil Health Card
SLDB	State Land Development Bank
SRS	Sample Registration Scheme
SSP	Single Super Phosphate
T	Target
T E	Triennium Ending
TD-5	Tossa Deshi variety of Jute
TPDS	Targeted Public Distribution System
TRQ	Tariff Rate Quota
TRRM	Tropical Rains Measuring Mission
TT	Tentative Targets
UI	Un-irrigated
UT	Union Territory
WPI	Wholesale Price Index
WTO	World Trade Organisation
Y	Yield (Index Number of Yield) per hectare

Conversion Table

Length

1 kilometre (km) 1000 metres (m)

1 km 0.6214 miles

1 m 1.0936 yards

1 m 3.2808 feet

1 mile 1760 yards

1 mile 1.609 km

1 yard 0.9144 m

1 foot 0.3048 m

Area

1 km² 100 hectares (ha)

1 km² 0.3861 square mile

1 km² 247.105 acres

1 m² 10.7639 square feet

1 ha 10,000 m²

1 ha 2.4711 acres

1 square mile 2.59 1 km²

1 acre 0.4047 ha

1 acre	4046.86 m ²
1 acre	4840 square yard
1 square yard	9 square feet
1 square yard	0.8361 m ²
1 square foot	0.0929 m ²
Weight	
1 tonne	1000 kg
1 tonne	1.1023 US ton
1 US ton	0.9072 tonnes
1 hg	100 gram
1 kg	2.2046 pounds (lb)
1 kg	35.274 ounce (oz)
1 lb	0.4536 kg
1 oz	28.3495 gram
Units	
1 crore	10 million
1 million	10 lakh
1 lakh	100000
1 billion	1000 million

1

Methodology of Crop Estimation

1.1 Introduction

The Directorate of Economics and Statistics (DES) releases estimates of area, production and yield in respect of principal crops of food grains, oilseeds, sugarcane, fibers and important commercial and horticulture crops. These crops together account for nearly 80 per cent of agricultural output. The estimates of crop production are obtained by multiplication of area estimates by corresponding yield estimates. The estimates of area and yield rates assume prime importance in the entire gamut of agricultural statistics.

1.2 Area Statistics

From the point of view of collection of area statistics, the States in the country are divided into three broad categories. The first category covers States and UTs which are cadastrally surveyed and the area and land use statistics are built up as a part of the land records maintained by the revenue agencies, these states are called “Land Record States” or temporarily settled states. This system is followed in 18 major states of Andhra Pradesh, Assam (excluding hilly districts), Bihar, Chhattisgarh, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Jharkhand, Karnataka, Madhya Pradesh, Maharashtra, Punjab, Rajasthan, Tamil Nadu, Telangana, Uttar Pradesh and Uttarakhand and 4 UTs of Chandigarh, Delhi, Dadra & Nagar Haveli and Puducherry. These States/UTs account for

about 86% of reporting area and are covered under Timely Reporting Scheme (TRS) under which 20% villages are selected at random for complete area enumeration.

The second category includes those States where area statistics are collected on the basis of sample surveys conducted under the scheme of Establishment of an Agency for Reporting of Agricultural Statistics (EARAS). This scheme was introduced in Kerala, Odisha and West Bengal, and later extended to Arunachal Pradesh, Nagaland, Sikkim and Tripura. The scheme envisages, inter-alia, estimation of area through sample surveys in a sufficiently large sample of 20% villages/investigator zones. These states account for about 9% of reporting area.

The third category covers the hilly districts of Assam, the rest of North-Eastern states (other than Arunachal Pradesh, Nagaland, Tripura and Sikkim), Goa, UTs of Andaman & Nicobar Islands, Daman & Diu and Lakshadweep where no reporting agency had been functioning. In this category of states, work of collection of Agricultural Statistics is entrusted with the village headmen. The area statistics in these states are based on impressionistic approach. These areas/states account for 5% of the reporting area.

1.3 Yield Estimates

The second most important component of production statistics is yield rates. The yield estimates of major crops are obtained through analysis of Crop Cutting Experiments (CCE) conducted under scientifically designed General Crop Estimation Surveys (GCES). At present over 95% of the production of foodgrains is estimated on the basis of yield rates obtained from the CCEs. Field Operations Divisions (FOD) of the National Sample Survey Organization (NSSO) has been providing technical guidance to the States and Union territories for organizing and conducting Crop Estimation Surveys for estimating yield rates of principal crops. In addition, NSSO in collaboration with States/Union Territories implements sample check programmes on area enumeration work, area aggregation and conduct of crop cutting experiments under the Scheme for Improvement of Crop Statistics (ICS). While executing the programme of sample checks on crop cutting experiments, the FOD associates itself with the operational aspects of the conduct of crop cutting experiments right from selection of sample villages, training of field staff to the supervision of field work, and in the process gathers micro level information relating to conduct of crop cutting experiments for estimation of crop yield. The results of Crop Estimation Surveys are analyzed and annual publication entitled “Consolidated Results of Crop Estimation Surveys on Principal Crops” is brought out by the NSSO regularly.

The primary objective of GCES is to obtain fairly reliable estimates of average yield of principal food and non-food crops for States and UTs which

are important from the point of view of crop production. The estimates of yield rates thus arrived at are generally adopted for the purposes of planning, policy formulation and implementation. The CCEs consist of identification and marking of experimental plots of a specified size and shape in a selected field on the principle of random sampling, harvesting and threshing the produce and recording of the harvested produce for determining the percentage recovery of dry grains or the marketable form of the produce.

1.4 Coverage

The crop-wise details of number of experiments planned under GCES during 2013-14 are given in Table 1.1

Table1.1 Experiments Planned under GCES during 2013-14

Crop Type/Crop	No. of experiments Planned		
	Kharif	Rabi	Total
1. Food Crops			
Paddy	266548	24685	291233
Wheat	-	255086	255086
Jowar	22588	15222	37810
Bajra	37634	844	38478
Maize	53320	5093	58413
Ragi	10148	1491	11639
Barley	-	6724	6724
Gram	-	42488	42488
Sugarcane*	28834	607	29441
Other Crops	113419	64291	177710
Total	532491	416531	949022
2. Non-Food Crops			
Groundnut	23039	5025	28064
Sesamum	18581	4425	23006
Castor	2718	-	2718
Rape & Mustard	-	48374	48374
Linseed	-	3408	3408
Cotton	19964	-	19964
Jute	4114	-	4114
Mesta	764	-	764
Other Crops	21244	16228	37472
Total	90424	77460	167884
Total (1+2)	622915	493991	1116906

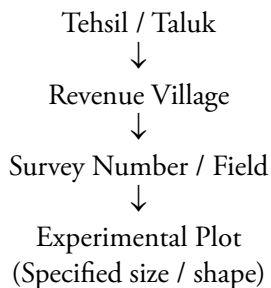
* 607 experiments of Sugarcane are of Rabi season in West Bengal.

Source: AS Wing, NSSO (FOD), Faridabad

1.5 Sampling Design

Stratified multi-stage random sampling design is generally adopted for carrying out GCES with tehsils/ taluks/ revenue inspector circles/ CD blocks/ anchals, etc., as strata, revenue villages within a stratum as first stage unit of sampling, survey numbers/fields within each selected village as sampling unit at the second stage and experimental plot of a specified shape and size as the ultimate unit of sampling as depicted in Figure 1.1.

Figure 1.1: Sampling Design for GCES



In each selected primary unit, generally 2 survey numbers/fields growing the experimental crop are selected for conducting CCE. Generally, 80-120 experiments are selected in a major crop growing district, where a district is considered as major for a given crop if the area under the crop in the district exceeds 80,000 hectares or lies between 40,000 and 80,000 hectares but exceeds the average area per district in the State. Otherwise, the district is considered as minor for a given crop. Experiments in minor districts are so adjusted that the precision of the estimates is fairly high and the workload on the field staff is manageable. On an average, about 44 or 46 experiments are planned in a minor district. The number of experiments allotted to a district is distributed among the strata within the district roughly in proportion to the area under the crop in the stratum.

1.6 Advance Estimates of Area and Production

The period of an agricultural crop year is from July to June, during which various farm operations from preparation of seed bed, nursery, sowing, transplanting various inter-culture operations, harvesting, threshing etc. are carried out. Different crops are grown during the agricultural seasons in a crop year.

Final estimates of production based on complete enumeration of area and yield through crop cutting experiments become available much after the crops are actually harvested. However, the Government requires advance estimates of production for taking various policy decisions relating to pricing, marketing,

export/import, distribution, etc. Considering the genuine requirement of crop estimates much before the crops are harvested for various policy purposes, a time schedule of releasing the advance estimates has been evolved. These estimates of crops are prepared and released at four points of time during a year as enumerated below.

1.7 First Advance Estimates

The first advance estimates of area and production of kharif crops are prepared in September every year, when south-west monsoon season is about to be over and kharif crops are at an advanced stage of maturity. The assessment is made by the State Governments based on the reports from the field offices of the State Department of Agriculture. They are mainly guided by visual observations. These are validated on the basis of inputs from the proceedings of Crop Weather Watch Group (CWWG) meetings, and other feedback such as relevant availability of water in major reservoirs, availability/supply of important inputs including credit to farmers, rainfall, temperature, irrigation etc.

1.8 Second Advance Estimates

The second advance estimates are made in the month of January every year. The advance estimates of kharif crops may undergo a revision in the light of flow of more precise information from the State Governments. The Second Advance Estimates then cover the second assessment in respect of kharif Crops and the first assessment in respect of Rabi Crops.

1.9 Third Advance Estimates

The third advance estimates are prepared towards the end of March/ beginning of April every year. The earlier advance estimates of both kharif and rabi seasons are firmed up/ validated with the information available with State Agricultural Statistical Authorities (SASAs), remote sensing data, available with Space Application Centre, Ahmedabad as well as the proceedings of CWWG.

1.10 Fourth Advance Estimates

The fourth advance estimates are prepared in the month of June/July every year. Since most of the rabi crops get harvested by the end of May, SASAs are in a position to supply the estimates of both kharif and rabi seasons as well as likely assessment of summer crops. Like the third advance estimates, the fourth advance estimates are duly validated with the information available from other sources.

1.11 Final Estimates

Under the existing system of crop estimation, the fourth advance estimates are

followed by final estimates in December / January of the following agricultural year. The main factors contributing to the relatively large number of crop estimates are the large variations in crop seasons across the country and the resulting delay in the compilation of yield estimates based on crop cutting experiments. As agriculture is a State subject, Central Government depends upon State Governments for accuracy of these estimates. For this purpose, State Governments have setup High Level Coordination Committees (HLCC) comprising, inter-alia, senior officers from the Departments of Agriculture, Economics & Statistics, Land Records and NSSO (FOD), IASRI, DES from Central Government for sorting out problems in preparation of these estimates in a timely and orderly manner.

1.12 Forecasting Agricultural output using Space, Agro-meteorology and Land based observations (FASAL)

The FASAL scheme was approved as a central sector plan scheme of Directorate of Economics & Statistics, DAC&FW and is in operation since August 2006. The scope of work of the FASAL scheme involved developing Econometric, Agromet and Remote Sensing based models to generate crop forecast at National, State and District level. Multiple forecast of 11 major crops namely Rice (Kharif & Rabi), Jowar (Kharif & Rabi), Maize, Bajra, Jute, Ragi, Cotton, Sugarcane, Groundnut (Kharif & Rabi), Rapeseed & Mustard and Wheat were envisaged at National/State/District level depending on the status of technology available. However, based on the technology feasibility and the requirement, the 11 crops are changed to Rice (Kharif & Rabi), Jowar(Rabi), Maize (Rabi), Soybean, Jute, Pulses (Rabi), Cotton, Sugarcane and Groundnut(Rabi), Rapeseed & Mustard and Wheat.

In order to give further impetus to use Remote Sensing (RS) in Agriculture, implementation strategy of the FASAL scheme was revised in March, 2011. The revised strategy, inter-alia, envisaged transfer of existing operational crop forecast and drought assessment Remote Sensing methodologies developed by Indian Space Research Organization (ISRO) to a new centre to be created in the DAC&FW itself allowing ISRO to focus on R&D on the RS methodology for remaining crops and fine tuning of the existing RS methodologies on crop and drought assessment. In pursuance of the decisions contained in the approved SFC Memo of the FASAL scheme, a new centre, Mahalanobis National Crop Forecast Centre (MNCFC) has commenced operationalizing the Remote Sensing methodology transferred from ISRO. The main objective of the Centre is to prepare multiple-in-season crop forecast and assessment of drought situation using state of the art techniques and methodologies for selected major crops.

Physical Performance of FASAL scheme:

The project successfully provided National/State/District level forecast of Wheat, Rice (Kharif and Rabi), Jute, Sugarcane, Cotton, Rapeseed/mustard, Wheat and Rabi sorghum in their major growing regions, in the country. Forecast based on Agromet models are being received at State/District level. These forecasts are utilized for validation of advance estimates released by DES / DAC&FW.

The funds are released to the implementing agencies viz (i) Space Applications Centre, Ahmedabad (for developing / fine tuning of RS methodology), (ii) India Meteorological Department, Delhi (Agromet component) and (iii) Institute of Economic Growth (Econometric models) in 2/3 installments every year. The physical and financial progress is received from each of the implementing agencies after release of each installment.

Financial Outlay of FASAL scheme

An amount of Rs. 12.19 crore has been approved as RE for the F.Y. 2017-18 under the FASAL scheme. So far, the expenditure under the FASAL scheme has been 9.53 crore (till 28.02.2018).

ERFS Project

Besides, Extended Range Forecast System (ERFS) Project is being implemented since 2007 with the objective of forecasting rainfall and air temperature at district level on monthly scale. For the implementation of ERFS Project, funds are released to IIT Bhubaneswar.

2

Socio-Economic Indicators

Table: 2.1 Selected Economic and Social Indicators

Economic Indicators	1950-51	1960-61	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
ECONOMIC INDICATORS											
GVA ^a (at current prices in ₹ crore)	10036	17049	531814	2000743	7248860	8106946	9202692	10363153	11504279	12566646 [#]	13841591 [@]
GVA ^a (at constant prices in ₹ crore)	279618	410279	1347889	2348481	4918533	8106946	8546275	9063649	9712133	10503348 [#]	11247629 [@]
Per capita Net National Income at factor cost at constant prices (₹)	7513	9482	15996	22491	39270	63462	65538	68572	72805	77826 [#]	82229 [@]
Gross Domestic Capital Formation as percentage of GDP (at current market prices)	9.3	14.3	26.0	24.3	36.5	39.0	38.7	33.8	33.5	32.3	30.6
Gross domestic savings as percentage of GDP (at current market prices)	9.5	11.6	22.9	23.7	33.7	34.6	33.9	32.1	32.2	31.3	30.0
Index of agricultural production [base: Triennium ending 1981-82] for the data given till 2000-01 and base i.e. ending 2007-08 from 2009-10 onwards	46.2	68.8	148.4	165.7	121.1	124.5	124.2	129.8	124	120.8	130.6
Index of industrial production (Base: 2004-05=100) ^b	7.9	15.6	91.6	162.6	165.5	170.3	103.3	106.7	111.0	114.7	120.0
Wholesale Price Index average ^c	6.8	7.9	73.7	155.7	143.3	156.1	106.9	112.5	113.9	109.7	111.6
Consumer Price Index for Industrial workers ^d	17	21.0	193.0	444.0	180.0	195.0	215.0	236.0	251.0	265.0	276.0
OUTPUT											
(a) Foodgrains [million tonnes]	50.8	82.0	176.4	196.8	244.5	259.3	257.1	265.0	252.0	251.6	275.68 ^e
(b) Coal and lignite [million tonnes]	32.3	55.2	225.5	332.6	570.4	582.3	602.9	610.0	657.4	683	704.4(P)
(c) Crude oil [million tonnes]	0.3	0.5	33.0	32.4	37.7	38.1	37.9	37.8	37.4	36.9	36.0

(Contd.)

Table: 2.1 (Contd.)

Economic Indicators	1950-51	1960-61	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(d) Electricity generated [utilities only] [billion KWH]	5.0	17.0	264.0	500.0	844.8	922.5	964.5	1026.6	1105.1	1167.6	1236.4
Plan outlay (crore)	2601	1117	58369	185737	826268	936292	971951	1281022	420882 ^f	582707(RE) ^f	706248.4(BE)
(RE)											
FOREIGN TRADE											
(i) Exports (₹ Crore)	606	642	32553	203571	1136964	1465959	1634319	1905011	1896348	1716378	1849429
(US \$ million)	1269	1346	18143	44076	251136	305964	300401	314405	310338	262290	275852
(ii) Imports (₹ Crore)	608	1122	43198	230873	1683467	2345463	2669162	2715434	2737087	2490298	2577666
(US \$ million)	1273	2353	24075	49975	369769	489319	490737	450200	448033	381007	384356
Foreign exchange reserves ^g [excluding gold,SDRs and Reverse Tranche Position at IMF]; (₹ Crore)	911	186	4388	184482	1224883	1330511	1412631	1660914	1985458	2219061	2244939
	1914	390	2236	39554	274330	260069	259726	276359	295947	336104	346319
	(US \$ million)										
SOCIAL INDICATORS											
Population (Million) ^h	361	439.2	846.4	1028.7	1186.0	1220.0	1235.0	1251.0	1267.0	1283.0	1299.0
Birth Rate (per 1000) ⁱ	39.9	41.7	29.5	25.4	21.8 ^k	21.6 ^k	21.4 ^k	21.0 ^k	20.8	20.4	NA
Death Rate (per 1000) ⁱ	27.4	22.8	9.8	8.4	7.1 ^k	7.0 ^k	7.0 ^k	6.7 ^k	6.5	6.4	NA
Life Expectancy at Birth (in Years) ⁱ	32.1	41.3	58.7	62.5	67.0	67.5	67.9	68.3	NA	NA	NA
(a) Male	32.5	41.9	58.6	61.6	65.4	65.8	66.4	66.9	NA	NA	NA
(b) Female	31.7	40.6	59.0	63.3	68.8	69.3	69.6	70.0	NA	NA	NA
Education: Literacy Rate (%) ¹	18.3	28.3	52.2	64.8	73.0	NA	NA	NA	NA	NA	NA

(Contd.)

Economic Indicators	1950-51	1960-61	1990-91	2000-01	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
(a) Male	27.2	40.4	64.1	75.3	82.1	NA	NA	NA	NA	NA	NA
(b) Female	8.9	15.4	39.3	53.7	65.5	NA	NA	NA	NA	NA	NA

BE: Budget Estimate, RE: Revised Estimate, AE: Advance Estimate, PE: Provisional Estimate

NA: Not Available

#: 2nd Revised Estimates (New Series)

^: The figures before 2012-13 are measured at factor cost. The figures from 2012-13 onwards are measured at basic prices.

@: 1st Revised Estimates (New Series)

a: GVA at factor cost estimates prior to 2011-12 are based on 2004-05 series. Estimates from Year 2011-12 onwards (with Base 2011-12) are available at Basic Prices only.
 b: The Index of Industrial Production has been revised since 2012-13 on base 2011-12. The figures from 2012-13 onwards are based on current series (2011-12); and earlier data are based on old base years.

c: The figures from 2012-13 onwards are based on current series 2011-12=100 and earlier data are based on old base years.

d: The figures from 2009-10 onwards are based on current series 2001=100 and earlier data are based on old base years.

e: 4th Advance Estimates.

f: Outlays are only of the Centre as Outlays of State & UTs are Not Available from 2014-15 onwards.

g: As on end-March.

h: Relates to mid-financial year (as on October 1) based on population figures of C.S.O.

i: For calendar year. Figure shown against 1990-91 is for calendar year 1991 and so on. Source: Office of R.G.I.

j: Data for 1950-51, 1960-61, 1970-71 and 1980-81 relate to the decades 1941-50, 1951-60, 1961-70 and 1971-80 respectively, centered at midpoints of the decade, i.e., 1946, 1956, 1966 and 1976. The estimates for 1990-91 refer to the period 1988-92 and so on.

Estimates for 2010-11 refers to abridged life table of period 2008-12, 2011-12 refers to 2009-13, 2012-13 refers to 2010-14 and 2013-14 refers to 2011-15.

k: Estimates from Sample Registration System and SRS Statistical Report, Office of RGI.

l: Data for 1950-51, 1960-61, 1970-71, 1980-81, 1990-91 and 2000-01 are as per Census of India 1951, 1961, 1971, 1981, 1991 and 2001. The figures for 1951, 1961 and 1971 relate to population aged 5 years and above and those for 1981, 1991, 2001 and 2011 to population aged 7 years and above. All India literacy rates exclude Assam for 1981 and J&K for 1991.

Source: Ministry of Finance, Department of Commerce, CSO and RBI.

Table 2.2: Population and Growth Rate - 2011

Sl. No.	States/UTs	Population			Decadal Growth (%)	
		Male (3)	Female (4)	Total (5)	1991-2001 (6)	2001-2011 (7)
	India	623,270,258	587,584,719	1,210,854,977	21.54	17.72
1	Jammu & Kashmir	6,640,662	5,900,640	12,541,302	29.43	23.64
2	Himachal Pradesh	3,481,873	3,382,729	6,864,602	17.54	12.94
3	Punjab	14,639,465	13,103,873	27,743,338	20.10	13.89
4	Chandigarh	580,663	474,787	1,055,450	40.28	17.19
5	Uttarakhand	5,137,773	4,948,519	10,086,292	20.41	18.81
6	Haryana	13,494,734	11,856,728	25,351,462	28.43	19.90
7	Delhi	8,987,326	7,800,615	16,787,941	47.02	21.21
8	Rajasthan	35,550,997	32,997,440	68,548,437	28.41	21.31
9	Uttar Pradesh	104,480,510	95,331,831	199,812,341	25.85	20.23
10	Bihar	54,278,157	49,821,295	104,099,452	28.62	25.42
11	Sikkim	323,070	287,507	610,577	33.06	12.89
12	Arunachal Pradesh	713,912	669,815	1,383,727	27.00	26.03
13	Nagaland	1,024,649	953,853	1,978,502	64.53	-0.58
14	Manipur	1,438,586	1,417,208	2,855,794	24.86	31.80
15	Mizoram	555,339	541,867	1,097,206	28.82	23.48
16	Tripura	1,874,376	1,799,541	3,673,917	16.03	14.84
17	Meghalaya	1,491,832	1,475,057	2,966,889	30.65	27.95
18	Assam	15,939,443	15,266,133	31,205,576	18.92	17.07
19	West Bengal	46,809,027	44,467,088	91,276,115	17.77	13.84

(Contd.)

Sl. No.	States/ UTs	Population			Decadal Growth (%)	
		Male (3)	Female (4)	Total (5)	1991-2001 (6)	2001-2011 (7)
20	Jharkhand	16,930,315	16,057,819	32,988,134	23.36	22.42
21	Odisha	21,212,136	20,762,082	41,974,218	16.25	14.05
22	Chhattisgarh	12,832,895	12,712,303	25,545,198	18.27	22.61
23	Madhya Pradesh	37,612,306	35,014,503	72,626,809	24.26	20.35
24	Gujarat	31,491,260	28,948,432	60,439,692	22.66	19.28
25	Daman & Diu	150,301	92,946	243,247	55.73	53.76
26	Dadra & Nagar Haveli	193,760	149,949	343,709	59.22	55.88
27	Maharashtra	58,243,056	54,131,277	112,374,333	22.73	15.99
28	Andhra Pradesh	42,442,146	42,138,631	84,580,777	14.59	10.98
29	Karnataka	30,966,657	30,128,640	61,095,297	17.51	15.60
30	Goa	739,140	719,405	1,458,545	15.21	8.23
31	Lakshadweep	33,123	31,350	64,473	17.30	6.30
32	Kerala	16,027,412	17,378,649	33,406,061	9.43	4.91
33	Tamil Nadu	36,137,975	36,009,055	72,147,030	11.72	15.61
34	Puducherry	612,511	635,442	1,247,953	20.62	28.08
35	Andaman & Nicobar Islands	202,871	177,710	380,581	26.90	6.86

Source: Registrar General of India.

Table 2.3(a): Population and Agricultural Workers

Year	Total Population	Average Annual Exponential Growth Rate (%)	Rural Population	Total Workers	Agricultural Workers		Total
					Cultivators	Labourers	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	361.1	1.25	298.6 (82.7)	139.5	69.9 (71.9)	27.3 (28.1)	97.2 (69.7)
1961	439.2	1.96	360.3 (82.0)	188.7	99.6 (76.0)	31.5 (24.0)	131.1 (69.5)
1971	548.2	2.20	439.0 (80.1)	180.4	78.2 (62.2)	47.5 (37.8)	125.7 (69.7)
1981	683.3	2.22	525.6 (76.9)	244.6	92.5 (62.5)	55.5 (37.5)	148.0 (60.5)
1991	846.4	2.16	630.6 (74.5)	314.1	110.7 (59.7)	74.6 (40.3)	185.3 (59.0)
2001	1028.7	1.97	742.6 (72.2)	402.2	127.3 (54.4)	106.8 (45.6)	234.1 (58.2)
2011	1210.8	1.50	833.7 (68.9)	481.9	118.8 (45.1)	144.3 (54.9)	263.1 (54.6)

Source: Registrar General of India.

- Notes: 1. For 2001, figures include estimated figures for those of the three sub-divisions viz. Mao Maram, Paomata and Purul of Senapati district of Manipur as census results of 2001 Census in these three sub-divisions were cancelled due to technical and administrative reasons.
2. The 1991 Census could not be held owing to disturbed conditions prevailing in Jammu & Kashmir. Hence the population figures for 1991 of Jammu & Kashmir have been worked out by 'interpolation'. The data on workers in Col. 5-7 exclude J&K.
3. The 1981 census could not be held in Assam. The figures for 1981 for Assam have been worked out by interpolation. The data on workers in Col. 5-7 exclude Assam.
4. Figures within parentheses in Col.-4 are percentages to the Total Population.
5. Figures within parentheses in Col.-6 and 7 are percentages to Col.-8.
6. Figures within parentheses in Col.-8 is percentage share of Agricultural Workers in Total Workers.

Table 2.3(b) State wise Classification of Workers-2011

States\UTs	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Total/ Urban/ Rural	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Total Male Population	Total Male Working Population	Total Female Population	Total Female Working Population	Total Male Main Workers	Total Female Working Population	Total Male Main Workers	Total Female Main Workers
India	1210854977	48188868	119323297	362565571	623270258	331939875	273209976	587584719	149948993	893555595			
Rural	833748852	348743092	245868421	102874671	485005760	427781058	178095330	405967794	121906079	67773091			
Urban	377106125	133145776	116697150	16448626	243960349	195489200	105102862	95114646	181616925	21582504			
Jammu & Kashmir	Total	12541302	4322713	2644149	1678564	8218589	6640662	3195090	2305788	5900640	1127623	338361	
Rural	9108060	3113081	1669814	1443267	5994979	4774477	2212006	1453157	4333583	901075	216657		
Urban	3433242	1209632	974335	235297	2223610	1866185	983084	852631	1567057	226548	121704		
Himachal Pradesh	Total	6864602	3559422	2062501	1496921	3305180	3481873	1438989	3382729	1516049	623512		
Rural	6176050	3289384	1822109	1467275	2886666	3110345	1836358	1247874	3065705	1453026	574235		
Urban	688552	270038	240392	29646	418514	371528	207015	191115	317024	63023	49277		
Punjab	Total	27743338	9897362	8450936	1446426	17845976	14639465	8074157	7264631	13103873	1823205	1186305	
Rural	17344192	6179199	5107024	1072175	11164993	9093476	4995819	4417839	8250716	1183380	689185		
Urban	10399146	3718163	3343912	374251	6680983	5545989	3078338	2846792	4853157	639825	497120		
Chandigarh	Total	1055450	404136	385929	18207	651314	580663	328159	317190	474787	75977	68739	
Rural	28991	12350	11683	667	16641	17150	10664	10356	11841	1686	1327		
Urban	1026459	391786	374246	17540	634673	563513	317495	306834	462946	74291	67412		
Uttarakhand	Total	10086292	3872275	2870624	1001651	6214017	5137773	2551921	2070760	4948519	1320354	799864	
Rural	7036954	2885533	1997332	888201	4151421	3519042	1726674	1322523	3517912	1158859	674809		
Urban	3049338	986742	873292	113450	2062596	1618731	825247	748237	1430607	161495	125055		
Haryana	Total	25351462	8916508	7015283	1901225	16434954	13494734	6806036	5860600	11856728	2109872	1154683	
Rural	16509359	6003112	4435805	1567307	10506247	8774006	4392214	3672588	7735353	1610898	763217		
Urban	8842103	2913396	2579478	333918	5928707	4720728	2414422	2188012	4121375	498974	391466		

(Contd.)

States \ UTs	Total/ Urban/ Rural	(1)	(2)	(3)	Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Delhi	Total	16787941	5587049	5307329	279720	11200892	8987326	4762026	4562710	825023	744619									
	Rural	419042	130227	118510	11717	288815	226321	111500	103568	18727	14942									
	Urban	16368899	5456822	5188819	268003	10912077	8761005	4650526	4459142	806296	740177									
Rajasthan	Total	68548437	29886255	21057968	8828287	38662182	35550997	18297076	15243537	32997440	11589179									
	Rural	51500352	24385233	16173343	8211890	27115119	26641747	13775469	11069837	24858605	10609764									
	Urban	17048085	5501022	4884625	616397	11547063	8909250	4521607	4173700	8138835	979415									
Uttar Pradesh	Total	199812341	65814715	44635492	21179223	133997626	104480510	49846762	37420299	95331831	7215193									
	Rural	155317278	51950980	33538817	18412163	103366298	80992995	38352879	27812347	74324283	5726470									
	Urban	44495063	13863735	11096675	2767060	30631328	23487515	11493883	9607952	21007548	2369852									
Bihar	Total	104099452	34724987	21359611	13365376	69374465	54278157	25222189	17270690	49821295	9502798									
	Rural	92341436	31359767	18723966	12635801	60981669	48073850	22436685	14988080	44267586	8923082									
	Urban	11758016	3365220	2635645	729575	8392796	6204307	2785504	2282610	5553709	579716									
Sikkim	Total	610577	308138	230397	77741	302439	323070	194358	160513	287507	69884									
	Rural	456999	243785	173682	70103	213214	242797	148186	119014	214202	54668									
	Urban	153578	64353	56715	7638	89225	80273	46172	41499	73305	15216									
Arunachal Pradesh	Total	1383727	587657	478721	108936	796070	713912	350273	301109	669815	177612									
	Rural	1066358	470315	377388	92927	596045	546011	264790	223929	520347	153459									
	Urban	317369	117342	101333	16009	200027	167901	85483	77180	149468	24153									
Nagaland	Total	1978502	974122	741179	232943	1004380	1024649	547357	442204	953853	298975									
	Rural	1407536	760360	567674	192686	647176	725472	403912	316384	682064	251290									
	Urban	570966	213762	173505	40257	357204	299177	143445	125820	271789	47685									

(Contd.)

States\UTs	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Manipur	Total	2855794	1304610	974163	330447	1551184	1438586	739408	615135	1417208	565202	359028
	Rural	2021640	959161	713482	245679	1062479	1026884	534085	442482	994756	425076	271000
	Urban	834154	345449	260681	84768	488705	411702	205323	172653	422452	140126	88028
Mizoram	Total	1097206	486705	415030	71675	610501	555339	290740	263305	541867	195965	151725
	Rural	525435	252382	217824	34558	273053	269135	145091	134888	256300	107291	82936
	Urban	571771	234323	197206	37117	337448	286204	145649	128417	285567	88674	68789
Tripura	Total	3673917	1469521	1077019	392502	2204396	1874376	1045326	887881	1799541	424195	189138
	Rural	2712464	1116076	776583	339493	1596388	1387173	767767	637023	1325291	348309	139560
	Urban	961453	353445	300436	53009	608008	487203	277559	250858	474250	75886	49578
Meghalaya	Total	2966889	1185619	921575	264044	1781270	1491832	703709	585520	1475057	481910	336055
	Rural	2371439	973458	730959	242499	1397981	1194260	561812	455430	1177179	411646	275529
	Urban	595450	212161	190616	21545	383289	297572	141897	130090	297878	70264	60526
Assam	Total	31205576	11969690	8687123	3282567	19235886	15939443	8541560	7034642	15266133	3428130	1652481
	Rural	26807034	10368283	7311015	3057268	16438751	13678989	7257852	5880174	13128045	3110431	1430841
	Urban	4398542	1601407	1376108	225299	2797135	2260454	1283708	1154468	2138088	317699	221640
West Bengal	Total	91276115	34756355	25686630	9069725	56519760	46809027	26716047	21678279	44467088	8040308	4008351
	Rural	62183113	24082481	16489485	7592996	38100632	31844945	18211180	14019915	30338168	5871301	2469570
	Urban	29093002	10673874	9197145	1476729	18419128	14964082	8504867	7658364	14128920	2169007	1538781
Jharkhand	Total	32988134	13098274	6818595	6279679	19889860	16930315	8424769	5234442	16057819	4673505	1584153
	Rural	25055073	10777152	4886840	5890312	14277921	12776486	6484142	3563422	12278587	4293010	1323418
	Urban	7933061	2321122	1931755	389367	5611939	4153829	1940627	1671020	3779232	380495	260735

(Contd.)

States \ UTs	Total/ Urban/ Rural	(2)	Total Population	(3)	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)	
Odisha	Total	41974218	17541589	10707543	6834046	24432629	21212136	11902655	8794413	20762082	5638934	1913130													
	Rural	34970562	15103714	8623947	6479767	19866848	17586203	9941574	7045991	17384359	5162140	1577956													
	Urban	7003656	2437875	2083596	354279	4565781	3625933	1961081	1748422	3377723	476794	335174													
Chhattisgarh	Total	25545198	12180225	8241714	3938511	13364973	12832895	7133866	5597454	12712303	5046359	2644260													
	Rural	19607961	10063114	6365271	3697843	9544847	9797426	5522258	4114031	9810535	4540856	2251240													
	Urban	5937237	2117111	1876443	240668	3820126	3035469	1611608	1483423	2901768	505503	393020													
Madhya Pradesh	Total	72626809	31574133	22702119	8872014	41052676	37612306	20146970	16362065	35014503	11427163	6340054													
	Rural	52557404	24715198	16729558	7985640	27842206	27149388	14741977	11488183	25408016	9973221	5241375													
	Urban	20069405	6858935	5972561	886374	13210470	10462918	5404993	4873882	9606487	1453942	1098679													
Gujarat	Total	60439692	24767747	20365374	4402373	35671945	31491260	18000914	16567695	28948432	6766833	3797679													
	Rural	34694609	15570092	11878120	3691972	19124517	17799159	10171584	9141339	16895450	5398508	2736781													
	Urban	25745083	9197655	8487254	710401	16547428	13692101	7829330	7426356	12052982	1368325	1060898													
Daman & Diu	Total	243247	121271	116435	4836	121976	150301	107434	104614	92946	13837	11821													
	Rural	60396	23303	21435	1868	37093	32395	18862	18131	28001	4441	3304													
	Urban	182851	97968	95000	2968	84883	117906	88572	86483	64945	9396	8517													
Dadra & Nagar Haveli	Total	343709	157161	130299	26862	186548	193760	119293	109125	149949	37868	21174													
	Rural	183114	84123	62211	21912	98991	98305	55803	48239	84809	28320	13972													
	Urban	160595	73038	68088	4950	87557	95455	63490	60886	65140	9548	7202													
Maharashtra	Total	112374333	49427878	43762890	5664988	62946455	58243056	32616875	29989314	54131277	16811003	13773576													
	Rural	61556074	30650871	26510066	4140805	30905203	31539034	17887071	16188697	30017040	12763800	10321369													
	Urban	50818259	18777007	17252824	1524183	32041252	26704022	14729804	13800617	24114237	4047203	3452207													

(Contd.)

States\UTs	Total/ Urban/ Rural	(1)	(2)	(3)		(4)		(5)		(6)		(7)		(8)		(9)		(10)		(11)		(12)		(13)		
				Total Population	Total Working Population	Total Main Workers	Total Marginal Workers	Total Non Workers	Male Population	Male Working Population	Male Main Workers	Male Working Population	Female Population	Female Working Population	Female Main Workers	Female Working Population	Female Population	Female Working Population	Female Main Workers	Female Working Population	Female Population	Female Working Population	Female Main Workers	Female Working Population	Female Population	Female Working Population
Andhra Pradesh	Total	84580777	39422906	33037378	6385528	45157871	42442146	24185595	21460081	42138631	15237311	11577297														
	Rural	56361702	29052307	24142968	4909339	27309395	28243241	16498189	14585917	28118461	12554118	9557051														
	Urban	28219075	10370599	8894410	1476189	17848476	14198905	7687406	6874164	14020170	2683193	2020246														
Karnataka	Total	61095297	27872597	23397181	4475416	33222700	30966657	18270116	16349837	30128640	9602481	7047344														
	Rural	37469335	18502230	15060905	3441325	18967105	18292354	11311426	10003021	18539981	7190804	5057884														
	Urban	23625962	9370367	8336276	1034091	14255595	12037303	6958690	6346816	11588659	2411677	1989460														
Goa	Total	1458545	577248	476053	101195	881297	739140	419536	356967	719405	157712	119086														
	Rural	551731	215536	164519	51017	336195	275436	152986	122042	276295	62550	42477														
	Urban	906814	361712	311534	50178	545102	463704	266550	234925	443110	95162	76609														
Lakshadweep	Total	64473	18753	10804	7949	45720	33123	15318	9137	31350	3435	1667														
	Rural	14141	4653	2225	2428	9488	7243	3787	1878	6898	866	347														
	Urban	50332	14100	8579	5521	36232	25880	11531	7259	24452	2569	1320														
Kerala	Total	33406061	11619063	9329747	2289316	21786998	16027412	8451569	7179828	17378649	3167494	2149919														
	Rural	17471135	6341957	4930191	1411766	11129178	8408054	4507501	3743078	9063081	1834456	1187113														
	Urban	15934926	5277106	4399556	877350	10657820	7619358	3944068	3436750	8315568	1333038	962806														
Tamil Nadu	Total	72147030	32884681	27942181	4942500	39262349	36137975	21434978	18961194	36009055	11449703	8980987														
	Rural	37229590	18861330	15339116	3522214	18368260	18679065	11214535	9552474	18550525	7646795	5786642														
	Urban	34917440	14023351	12603065	1420286	20894089	17458910	10220443	9408720	17458550	3802908	3194345														
Puducherry	Total	1247953	444968	399689	45279	802985	612511	332931	306409	635442	112037	93280														
	Rural	395200	147876	122188	25688	247324	194907	105705	91068	200293	42171	31120														
	Urban	852753	297092	277501	19591	555661	417604	227226	215341	435149	69866	62160														

(Contd.)

States \ UTs	Total/ Urban/ Rural	(2)	(3)	Total Working Population	(4)	Total Main Workers	(5)	Total Marginal Workers	(6)	Total Non Workers	(7)	Male Population	(8)	Male Working Population	(9)	Male Main Workers	(10)	Female Population	(11)	Female Working Population	(12)	Female Main Workers	(13)	
Andaman & Nicobar Islands	Total		380581	152535	125910	26625	228046	202871	120889	103619	177710	31646	22291											
	Rural		237093	94469	72366	22103	142624	126287	74670	60411	110806	19799	11955											
	Urban		143488	58066	53544	4522	85422	76584	46219	43208	66904	11847	10336											

Source: Registrar General of India.

Note : India and Jammu & Kashmir exclude population of those portion of Jammu & Kashmir which are under illegal occupation of Pakistan and China.

Table 2.3(c): State-wise Classification of Cultivators - 2011

States \ UTs	Total / Urban / Rural	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
India	Total		118808780	144333690	82762934	82742337	36045846	61591353
	Rural		115084638	136998308	79895308	77932222	35189330	59066086
	Urban		3724142	7335382	2867626	4810115	856516	2525267
Jammu & Kashmir	Total		1245316	547705	765527	414344	479789	133361
	Rural		1180384	498531	729874	376051	450510	122480
	Urban		64932	49174	35653	38293	29279	10881
Himachal Pradesh	Total		2062062	175038	906154	103060	1155908	71978
	Rural		2048582	170279	899954	99801	1148628	70478
	Urban		13480	4759	6200	3259	7280	1500
Punjab	Total		1934511	1588455	1753359	1239445	181152	349010
	Rural		1840001	1474732	1669638	1146165	170363	328567
	Urban		94510	113723	83721	93280	10789	20443
Chandigarh	Total		2578	1687	2114	1375	464	312
	Rural		457	168	406	122	51	46
	Urban		2121	1519	1708	1253	413	266
Uttarakhand	Total		1580423	403301	735412	286540	845011	116761
	Rural		1558630	372841	720621	261909	838009	110932
	Urban		21793	30460	14791	24631	7002	5829

(Contd.)

States \ UTs	Total / Urban / Rural	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Agricultural Labour (Main and Marginal)	Cultivators (Main and Marginal)		Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)
Haryana	Total	2480801	1528133	1789122	1041241	691679	486892		
	Rural	2398597	1405956	1721232	943900	677365	462056		
	Urban	82204	122177	67890	97341	14314	24836		
Delhi	Total	33398	39475	27458	31352	5940	8123		
	Rural	13614	8528	11280	6473	2334	2055		
	Urban	19784	30947	16178	24879	3606	6068		
Rajasthan	Total	13618870	4939664	7518486	2132669	6100384	2806995		
	Rural	13358033	4733917	7349824	2013143	6008209	2720774		
	Urban	260837	205747	168662	119526	92175	86221		
Uttar Pradesh	Total	19057888	19939223	15511533	13803442	3546355	6135781		
	Rural	18500982	18910579	15030284	12957833	3470698	5952746		
	Urban	556906	1028644	481249	845609	75657	183035		
Bihar	Total	7196226	18345649	5745420	12570717	1450806	5774932		
	Rural	7008060	17831900	5583964	12173757	1424096	5658143		
	Urban	188166	513749	161456	396960	26710	116789		
Sikkim	Total	117401	25986	63327	12883	54074	13103		
	Rural	116532	24880	62869	12297	53663	12583		
	Urban	869	1106	458	586	411	520		
Arunachal Pradesh	Total	302723	36171	152863	18377	149860	17794		
	Rural	298137	33558	150267	16862	147870	16696		
	Urban	4586	2613	2596	1515	1990	1098		

(Contd.)

States \ UTs	Total / Urban / Rural	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)	
Nagaland	Total	537702	62962	259454	31857	278248	31105	
	Rural	516783	55677	250559	28133	266224	27544	
	Urban	20919	7285	8895	3724	12024	3561	
Manipur	Total	574031	114918	327109	46032	246922	68886	
	Rural	523537	90644	293208	35797	230329	54847	
	Urban	50494	24274	33901	10235	16593	14039	
Mizoram	Total	229603	41787	129482	22488	100121	19299	
	Rural	192194	19085	107813	9555	84381	9530	
	Urban	37409	22702	21669	12933	15740	9769	
Tripura	Total	295947	353618	228868	214106	67079	139512	
	Rural	285729	338922	219951	203358	65778	135564	
	Urban	10218	14696	8917	10748	1301	3948	
Meghalaya	Total	494675	198364	277330	106342	217345	92022	
	Rural	486320	192223	272616	102620	213704	89603	
	Urban	8355	6141	4714	3722	3641	2419	
Assam	Total	4061627	1845346	309763	1129210	961864	716136	
	Rural	4018907	1814075	3066222	1107173	952685	706902	
	Urban	42720	31271	33541	22037	9179	9234	
West Bengal	Total	5116688	10188842	4500041	7452814	616647	2736028	
	Rural	4952543	9843816	4368282	7172599	584261	2671217	
	Urban	164145	345026	131759	280215	32386	64811	

(Contd.)

States \ UTs	Total / Urban / Rural	(2)	(3)	(4)		(5)		(6)		(7)		(8)	
				Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)				
Jharkhand	Total		3814832	4436052	2291182	2341700	1523650	2094352					
	Rural		3752614	4339302	2247745	2276639	1504869	2062663					
	Urban		62218	96750	43437	65061	18781	31689					
Odisha	Total		4103989	6739993	3375350	3481836	728639	3258157					
	Rural		4030351	6618943	3312661	3404743	717690	3214200					
	Urban		73638	121050	62689	77093	10949	43957					
Chhattisgarh	Total		4004796	5091882	2424025	2344549	1580771	2747333					
	Rural		3901065	4894820	2354630	2243248	1546435	2651572					
	Urban		103731	197062	69395	101301	34336	95761					
Madhya Pradesh	Total		9844439	12192267	6591064	6310657	3253375	5881610					
	Rural		9473811	11691203	6300435	6009667	3173376	5681536					
	Urban		370628	501064	290629	300990	79999	200074					
Gujarat	Total		5447500	6839415	4244449	3649591	1203051	3189824					
	Rural		5251457	6481295	4079513	3411622	1171944	3069673					
	Urban		196043	358120	164936	237969	31107	120151					
Daman & Diu	Total		2316	772	1492	362	824	410					
	Rural		1654	551	938	193	716	358					
	Urban		662	221	554	169	108	52					
Dadra & Nagar Haveli	Total		28164	17799	18296	5453	9868	12346					
	Rural		26140	16569	16760	4892	9380	11677					
	Urban		2024	1230	1536	561	488	669					

(Contd.)

States\UTs	Total / Urban / Rural	(2)	Cultivators (Main and Marginal)	(3)	Agricultural Labour (Main and Marginal)	(4)	Male Cultivators (Main and Marginal)	(5)	Male Agricultural Labour (Main and Marginal)	(6)	Female Cultivators (Main and Marginal)	(7)	Female Agricultural Labour (Main and Marginal)	(8)
Maharashtra	Total		12569373	13486140	7592313	6774538	4977060	6711602						
	Rural		12216563	12720993	7324880	6307148	4891683	6413845						
	Urban		352810	765147	267433	467390	85377	297757						
Andhra Pradesh	Total		6491522	16967754	4357304	8130022	2134218	8837732						
	Rural		6267888	16102617	4192776	7656866	2075112	8445751						
	Urban		223634	865137	164528	473156	59106	391981						
Karnataka	Total		6580649	7155963	4753708	3283279	1826941	3872684						
	Rural		6340930	6737213	4565677	3047116	1775253	3690097						
	Urban		239719	418750	188031	236163	51688	182587						
Goa	Total		31354	26760	18848	14816	12506	11944						
	Rural		26275	20508	15474	11036	10801	9472						
	Urban		5079	6252	3374	3780	1705	2472						
Lakshadweep	Total		0	0	0	0	0	0						
	Rural		0	0	0	0	0	0						
	Urban		0	0	0	0	0	0						
Kerala	Total		670253	1322850	546906	857995	123347	464855						
	Rural		587029	1083003	478881	690294	108148	392709						
	Urban		83224	239847	68025	167701	15199	72146						
Tamil Nadu	Total		4248457	9606547	2732479	4842707	1515978	4763840						
	Rural		3885657	8408101	2476311	4162199	1409346	4245902						
	Urban		362800	1198446	256168	680508	106632	517938						

(Contd.)

States \ UTs	Total / Urban / Rural	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
			Cultivators (Main and Marginal)	Agricultural Labour (Main and Marginal)	Male Cultivators (Main and Marginal)	Male Agricultural Labour (Main and Marginal)	Female Cultivators (Main and Marginal)	Female Agricultural Labour (Main and Marginal)	
Puducherry	Total		12099	68391	10033	42794	2066	25597	
	Rural		8997	58259	7399	35397	1598	22862	
	Urban		3102	10132	2634	7397	468	2735	
Andaman & Nicobar Islands	Total		16567	4781	12663	3744	3904	1037	
	Rural		16185	4620	12364	3614	3821	1006	
	Urban		382	161	299	130	83	31	

Source: Registrar General of India.

Note: India and Jammu & Kashmir exclude population of those portion of Jammu & Kashmir which are under illegal occupation of Pakistan and China.

Table 2.4: State-wise Percentage of Population Below Poverty Line

States/UTs	2004-05			2009-10			2011-12		
	Rural (2)	Urban (3)	Total (4)	Rural (5)	Urban (6)	Total (7)	Rural (8)	Urban (9)	Total (10)
Andhra Pradesh	32.3	23.4	29.6	22.8	17.7	21.1	11.0	5.8	9.2
Arunachal Pradesh	33.6	23.5	31.4	26.2	24.9	25.9	38.9	20.3	34.7
Assam	36.4	21.8	34.4	39.9	26.1	37.9	33.9	20.5	32.0
Bihar	55.7	43.7	54.4	55.3	39.4	53.5	34.1	31.2	33.7
Chhattisgarh	55.1	28.4	49.4	56.1	23.8	48.7	44.6	24.8	39.9
Delhi	15.6	12.9	13.0	7.7	14.4	14.2	12.9	9.8	9.9
Goa	28.1	22.2	24.9	11.5	6.9	8.7	6.8	4.1	5.1
Gujarat	39.1	20.1	31.6	26.7	17.9	23.0	21.5	10.1	16.6
Haryana	24.8	22.4	24.1	18.6	23.0	20.1	11.6	10.3	11.2
Himachal Pradesh	25.0	4.6	22.9	9.1	12.6	9.5	8.5	4.3	8.1
Jammu & Kashmir	14.1	10.4	13.1	8.1	12.8	9.4	11.5	7.2	10.4
Jharkhand	51.6	23.8	45.3	41.6	31.1	39.1	40.8	24.8	37.0
Karnataka	37.5	25.9	33.3	26.1	19.6	23.6	24.5	15.3	20.9
Kerala	20.2	18.4	19.6	12.0	12.1	12.0	9.1	5.0	7.1
Madhya Pradesh	53.6	35.1	48.6	42.0	22.9	36.7	35.7	21.0	31.7
Maharashtra	47.9	25.6	38.2	29.5	18.3	24.5	24.2	9.1	17.4
Manipur	39.3	34.5	37.9	47.4	46.4	47.1	38.8	32.6	36.9
Meeghalaya	14.0	24.7	16.1	15.3	24.1	17.1	12.5	9.3	11.9
Mizoram	23.0	7.9	15.4	31.1	11.5	21.1	35.4	6.4	20.4
Nagaland	10.0	4.3	8.8	19.3	25.0	20.9	19.9	16.5	18.9

(Contd.)

States/UTs	2004-05			2009-10			2011-12		
	Rural (2)	Urban (3)	Total (4)	Rural (5)	Urban (6)	Total (7)	Rural (8)	Urban (9)	Total (10)
Odisha	60.8	37.6	57.2	39.2	25.9	37.0	35.7	17.3	32.6
Puducherry	22.9	9.9	14.2	0.2	1.6	1.2	17.1	6.3	9.7
Punjab	22.1	18.7	20.9	14.6	18.1	15.9	7.7	9.2	8.3
Rajasthan	35.8	29.7	34.4	26.4	19.9	24.8	16.1	10.7	14.7
Sikkim	31.8	25.9	30.9	15.5	5.0	13.1	9.9	3.7	8.2
Tamil Nadu	37.5	19.7	29.4	21.2	12.8	17.1	15.8	6.5	11.3
Tripura	44.5	22.5	40.0	19.8	10.0	17.4	16.5	7.4	14.1
Uttar Pradesh	42.7	34.1	40.9	39.4	31.7	37.7	30.4	26.1	29.4
Uttarakhand	35.1	26.2	32.7	14.9	25.2	18.0	11.6	10.5	11.3
West Bengal	38.2	24.4	34.2	28.8	22.0	26.7	22.5	14.7	20.0
All-India	42.0	25.5	37.2	33.8	20.9	29.8	25.7	13.7	21.9

Source: Planning Commission

Note: 1. Poverty estimates are based on the methodology suggested by the 'Expert Group on Methodology for estimation of poverty', chaired by Dr. Suresh.D. Tendulkar.

2. Number of persons below poverty line in 2004-05 are estimated based on Population as on 1st March 2005 (revised on the basis of 2011 population census)

3. Number of persons below poverty line in 2009-10 are estimated based on Population as on 1st March 2010 (interpolated between 2001 and 2011 population Census)

4. Number of persons below poverty line in 2011-12 are estimated based on Population as on 1st March 2012 (2011 Census population extrapolated)

5. Poverty line of Tamil Nadu is used for Andaman and Nicobar Island.

6. Urban Poverty Line of Punjab is used for both rural and urban areas of Chandigarh.

7. Poverty Line of Maharashtra is used for Dadra & Nagar Haveli.

8. Poverty Line of Goa is used for Daman & Diu

9. Poverty Line of Kerala is used for Lakshadweep.

Table 2.5: Population & Labour Force Projections

Year →	2011	2012	2013	2014	2015	2016	2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Total Population (0+) (in millions)	1210.2	1227.1	1244.0	1260.6	1277.1	1293.5	1309.7
Population (15 & above) (in millions)	849.6	871.3	893.2	915.2	937.4	959.8	982.2
15 & above population (%)	70.2	71.0	71.8	72.6	73.4	74.2	75.0
Labour Force (15 & above) (in millions)	477.9	482.7	487.2	491.5	495.4	499.1	502.4
LFPR for 15 and above age group (%)	56.3	55.4	54.5	53.7	52.8	52.0	51.2

Source: 12th Plan Document, Volume III, Chapter 22: Employment & Skill Development, Planning Commission

Table 2.6(a): Gross Value Added(GVA) at basic prices by Economic Activity (at 2011-12 prices)

S. No.	Industry	(₹ crore)									
		2011-12	2012-13	2013-14	2014-15	2015-16 (2nd RE)	2016-17 (1st RE)	2017-18 (PE)			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)			
1.	Agriculture, forestry and fishing	1501947	1524288	1609198	1605715	1615216	1716746	1774573			
1.1	crops	982151	983809	1037060	998425	966345	1033008				
1.2	livestock	327334	344375	363558	390449	421369	448964				
1.3	forestry and logging	124436	124743	132093	134609	137022	138779				
1.4	fishing and aquaculture	68027	71362	76487	82232	90480	95996				
2.	Mining and quarrying	261035	262609	263107	288685	328453	371066	381965			
3.	Manufacturing	14099986	1486873	1560709	1683938	1898790	2048711	2166267			
3.1	Food Products, Beverages and Tobacco	167524	154540	153560	157637	168932	174619				
3.2	Textiles, Apparel and Leather Products	153238	177398	216411	216429	259680	274256				
3.3	Metal Products	229627	238520	277322	261206	237485	263186				
3.4	Machinery and Equipment	334670	345731	324994	357017	415289	442382				
3.5	Other Manufactured Goods	524927	570684	588422	691649	817404	894267				
4.	Electricity, gas, water supply & other utility services	186668	191635	199601	214047	224198	244934	262496			
5.	Construction	777335	780050	800771	835229	866440	878110	928484			
6.	Trade, repair, hotels and restaurants	883582	981620	1034506	1135841	1259039	1370909	2307684*			
6.1	Trade & repair services	793681	888665	941941	1037640	1148216	1250502				
6.2	Hotels & restaurants	89901	92955	92565	98201	110823	120407				
7.	Transport, storage, communication & services related to broadcasting	529534	569523	617556	671848	734588	766193				
7.1	Railways	61150	69162	73685	80720	85452	84594				
7.2	Road transport	262442	282425	300563	320813	342021	362077				

(Contd.)

S. No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16 (2nd RE)	2016-17 (1st RE)	2017-18 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7.3	Water transport	6910	7052	7345	7954	8100	8578	
7.4	Air transport	4393	4183	4550	5188	6053	7184	
7.5	Services incidental to transport	63602	66480	70172	75596	80683	86617	
7.6	Storage	5108	5716	5210	5529	6061	5869	
7.7	Communication & services related to broadcasting	125930	134505	156031	176047	206218	211274	
8	Financial, Real Estate & Professional Services	1530877	1680031	1867407	2073715	2299913	2437857	2599927
8.1	Financial services	480226	529792	577914	627255	674022	682553	
8.2	Real estate, ownership of dwelling & professional services	1050651	1150239	1289493	1446460	1625891	1755304	
9	Public Administration, Defence & other services	1025982	1069645	1110794	1203115	1276710	1413103	1554759
9.1	Public administration and defence	491155	501383	510046	543853	565019	637056	
9.2	Other services	534827	568262	600748	659262	711692	776047	
10.	Total GVA at basic prices	8106946	8546275	9063649	9712133	10503348	11247629	11976155
11.	Total Net Value Added at basic prices	7189515	7537348	7982616	8534815	9236988	9877697	10517490
12.	Product Taxes less Product Subsidies	629383	680327	755065	824660	882797	948376	1034688
13.	Net Factor Income from Abroad	-76824	-108170	-122372	-124450	-134725	-144479	-146615
14.	NNI	7742074	8109505	8615309	9235026	9985060	10681594	11405563
15.	Per Capita Income (in Rupees)	63460	65664	68867	72889	77826	82229	86668

Source: Central Statistics Office

PE: Provisional Estimates, RE: Revised Estimates

* Include transport, storage, communication & services related to broadcasting

Table 2.6(b): Gross Value Added (GVA) at basic prices by Economic Activity (at current prices)

S.No. industry	₹ crore								
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2011-12	2012-13	2013-14	2014-15	2015-16 (2 nd RE)	2016-17 (1 st RE)	2017-18 (PE)		
1. Agriculture, forestry and fishing	1501947	1675107	1926372	2093612	2225368	2484005	2594729		
1.1 crops	982151	1088814	1248776	1292874	1327997	1530137			
1.2 livestock	327334	368823	422733	510411	584070	639912			
1.3 forestry and logging	124436	137558	156674	173760	182247	180465			
1.4 fishing and aquaculture	68027	79911	98190	116567	131053	133492			
2. Mining and quarrying	261035	285842	295794	308476	301230	332947	374689		
3. Manufacturing	1409986	1572837	1713452	1878369	2116119	2329220	2530311		
3.1 Food Products, Beverages and Tobacco	167524	168227	175673	185899	204599	212347			
3.2 Textiles, Apparel and Leather Products	153238	187981	246424	249573	296145	315236			
3.3 Metal Products	229627	248915	286998	273621	233751	251748			
3.4 Machinery and Equipment	334670	356231	343383	388961	502712	548807			
3.5 Other Manufactured Goods	524927	611483	660973	780315	878912	1001081			
4. Electricity, gas, water supply & other utility services	186668	215350	260155	282258	336978	363482	387694		
5. Construction	777335	849365	921470	979086	992298	1028463	1118946		
6. Trade, repair, hotels and restaurants	883582	1054533	1184560	1320833	1431016	1586238	2809748*		
6.1 Trade & repair services	793681	954683	1078421	1206474	1304935	1446832			
6.2 Hotels & restaurants	89901	99850	106140	114359	126082	139406			
7. Transport, storage, communication & services related to broadcasting	529534	609453	689906	786763	872233	935575			
7.1 Railways	61150	72296	78724	92459	100436	106582			

(Contd.)

S.No.	industry	2011-12	2012-13	2013-14	2014-15	2015-16 (2 nd RE)	2016-17 (1 st RE)	2017-18 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
7.2	Road transport	262442	300652	338306	370364	399976	434588	
7.3	Water transport	6910	7190	6476	7590	7354	6848	
7.4	Air transport	4393	8128	6853	11820	20350	20655	
7.5	Services incidental to transport	63602	72054	75719	91681	94139	103496	
7.6	Storage	5108	6165	6026	6407	6655	6888	
7.7	Communication & services related to broadcasting	125930	142969	177804	206442	243323	256518	
8	Financial, Real Estate & Professional services	1530877	1776632	2069508	2363346	2631284	2857322	3164547
8.1	Financial services	480226	536819	599341	661411	727254	742936	
8.2	Real estate, ownership of dwelling & professional services	1050651	1239813	1470167	1701935	1904030	2114386	
9	Public Administration, Defence & other services	1025982	1163574	1301935	1491536	1660120	1924339	2201707
9.1	Public administration and defence	491155	546231	601912	676818	731640	859615	
9.2	Other services	534827	617343	700023	814718	928480	1064724	
10.	Total GVA at basic prices	8106946	9202692	10363153	11504279	12566646	13841591	15182371
11.	NVA at basic prices	7189515	8150056	9182341	10161988	11116422	12256865	13444138
12.	Net taxes on Products	629383	741321	891951	963680	1197391	1412122	1590774
13.	Net Factor Income from Abroad	-76824	-116763	-139887	-118076	-159779	-176330	-185867
14.	NNI	7742074	8774615	9934405	11007592	12154034	13492657	14849045
15.	Per Capita Income (in Rupees)	63460	71050	79412	86647	94731	103870	112835

Source: Central Statistics Office

PE: Provisional Estimates, RE: Revised Estimates

* Include transport, storage, communication & services related to broadcasting

Table 2.6 (c): Percentage share in Gross value Added (GVA) at Current Prices

S.No.	Industry	2011-12	2012-13	2013-14	2014-15	2015-16 (2 nd RE)	2016-17 (1 st RE)	2017-18 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Agriculture, forestry & fishing	18.5	18.2	18.6	18.2	17.7	17.9	17.1
1.1	crops	12.1	11.8	12.1	11.2	10.6	11.1	
1.2	livestock	4.0	4.0	4.1	4.4	4.6	4.6	
1.3	forestry and logging	1.5	1.5	1.5	1.5	1.5	1.3	
1.4	fishing and aquaculture	0.8	0.9	0.9	1.0	1.0	1.0	
2	Industry	32.5	31.8	30.8	30.0	29.8	29.3	29.1
2.1	mining & quarrying	3.2	3.1	2.9	2.7	2.4	2.4	2.5
2.2	manufacturing	17.4	17.1	16.5	16.3	16.8	16.8	16.7
2.3	electricity, gas, water supply & other utility services	2.3	2.3	2.5	2.5	2.7	2.6	2.6
2.4	construction	9.6	9.2	8.9	8.5	7.9	7.4	7.4
3	Services	49.0	50.0	50.6	51.8	52.5	52.8	53.9
4	Gross Value Added at basic prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Central Statistics Office

PE: Provisional Estimates, RE: Revised Estimates

Table 2.6 (d): Percentage growth of GVA at 2011-12 Prices

S. No.	Industry	2012-13	2013-14	2014-15	2015-16 (2 nd RE)	2016-17 (1 st RE)	2017-18 (PE)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Agriculture, forestry & fishing	1.5	5.6	-0.2	0.6	6.3	3.4
1.1	crops	0.2	5.4	-3.7	-3.2	6.9	
1.2	livestock	5.2	5.6	7.4	7.9	6.5	
1.3	forestry and logging	0.2	5.9	1.9	1.8	1.3	
1.4	fishing and aquaculture	4.9	7.2	7.5	10.0	6.1	
2	Industry	3.3	3.8	7.0	9.8	6.8	5.5
2.1	mining & quarrying	0.6	0.2	9.7	13.8	13.0	2.9
2.2	manufacturing	5.5	5.0	7.9	12.8	7.9	5.7
2.3	electricity, gas, water supply & other utility services	2.7	4.2	7.2	4.7	9.2	7.2
2.4	construction	0.3	2.7	4.3	3.7	1.3	5.7
3	Services	8.3	7.7	9.8	9.6	7.5	7.9
4	Gross Value Added at basic prices	5.4	6.1	7.2	8.1	7.1	6.5

Source: Central Statistics Office

PE: Provisional Estimates, RE: Revised Estimates

Table 2.6 (e): Gross Domestic Product by Economic Activity at Constant Prices (2004-05 series)

S.No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
								(₹ crore)
1	Agriculture, Forestry & Fishing	565426	594487	619190	655080	655689	660987	717814
1.1	agriculture	476634	502996	523745	556956	555442	557715	610905
1.2	forestry & logging	61640	62742	64795	65697	66932	68877	70509
1.3	fishing	27152	28749	30650	32427	33315	34395	36400
2	Industry	829783	910413	1021204	1119995	1169736	1276919	1373339
2.1	mining & quarrying	85028	86141	92578	95997	98055	103830	110617
2.2	Manufacturing	453225	499020	570458	629073	656302	730435	795152
2.2.1	registered	292344	327739	379374	417528	442055	504601	555240
2.2.2	unregistered	160881	171281	191084	211545	214247	225834	239912
2.3	electricity, gas & water supply	62675	67123	73362	79430	83050	88218	92862
2.4	construction	228855	258129	284806	315495	332329	354436	374708
3	Services	1576255	1748173	1923970	2121561	2333251	2578165	2193213
3.1	trade, hotels & restaurant	477303	535397	594918	655013	692224	747019	836352
3.1.1	trade	433967	484521	536693	589242	628627	682207	764018
3.1.2	hotels & restaurants	43336	50876	58225	65771	63597	64812	72334
4	transport, storage & communication	250417	280010	315166	354507	392901	450872	507672
4.1	railways	29162	31339	34832	38235	41161	44763	47404
4.2	transport by other means	169995	185741	202367	219969	231564	248380	268669
4.3	storage	1980	2073	2298	2375	2711	3233	3353
4.4	communication	49280	60857	75669	93928	117465	154496	188246

(Contd.)

S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
5	financing, insurance, real estate & business services	437174	492340	561063	628124	703629	771905	849189
5.1	banking & insurance	171098	198158	238899	278776	317826	353983	406609
5.2	real estate, ownership of dwellings, business & legal services	266076	294182	322164	349348	385803	417922	442580
6	community, social & personal services	411361	440426	452823	483917	544497	608369	634167
6.1	public administration & defence	174638	182212	185639	199773	239349	281365	280268
6.2	other services	236723	258214	267184	284144	305148	327004	353899
7	Gross Domestic Product at factor cost	2971464	3253073	3564364	3896636	4158676	4516071	4284366
8	Total Net Domestic Product at factor cost	2651573	2902180	3178664	3469008	3689772	3994165	4348233
9	Net Factor Income from Abroad	-22375	-24896	-29515	-17179	-25384	-27757	-54647
10	NNP at Factor Cost	2629198	2877284	3149149	3451829	3664388	3966408	4293586
11	Per Capita Income (in Rupees)	24143	26015	28067	30332	31754	33901	36202

Source: Central Statistics Office.

Table 2.6 (f): Gross Domestic Product by Economic Activity at Current Prices (2004-05 series)

S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1	Agriculture, Forestry & Fishing	565426	637772	722984	836518	943204	1083514	1319686
1.1	Agriculture	476634	536822	604672	716276	806646	928,586	1,143,517
1.2	forestry & logging	61640	69251	83130	81311	92485	104,558	118,898
1.3	fishing	27152	31699	35182	38931	44073	50,370	57,271
2	Industry	829783	953872	1140197	1330270	1500254	1,695,796	1,968,450
2.1	Mining & quarrying	85028	94462	106787	124812	139828	159,304	204,866
2.2	manufacturing	453225	521669	634828	732720	818322	922151	1072489
2.2.1	registered	292344	345443	427075	492758	561460	643,538	754,553
2.2.2	unregistered	160881	176226	207753	239962	256862	278,613	317,936
2.3	electricity, gas & water supply	62675	69107	76153	83830	91070	113,883	119,560
2.4	construction	228855	268634	322429	388908	451034	500,458	571,535
3	Services	1576255	1798859	2090095	2415298	2860109	3329593	3960723
3.1	trade, hotels & restaurant	477303	566929	675347	783247	895397	1010232	1250472
3.1.1	trade	433967	513238	609623	705025	813503	923,004	1,143,104
3.1.2	hotels & restaurants	43336	53691	65724	78222	81894	87,228	107,368
4	transport, storage & communication	250417	279677	323032	366797	415448	471391	529158
4.1	railways	29162	30771	37429	43608	47478	55,571	56,877
4.2	transport by other means	169995	192716	224389	254404	289327	325,126	387,533
4.3	storage	1980	2155	2520	2716	3213	4,211	4,649
4.4	communication	49280	54035	58694	66069	75430	86,483	80,099

(Contd.)

S. No.	Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
5	financing,insurance, real estate & business services	437174	493102	586595	691464	845369	964937	1165243
5.1	banking & insurance	171098	184118	217196	251195	298931	331,793	410,407
5.2	real estate,ownership of dwellings, business & legal services	266076	308984	369399	440269	546438	633,144	754,836
6	community,social & personal services	411361	459151	505121	573790	703895	883033	1015850
6.1	public administration & defence	174638	189827	206081	234992	306653	403,641	442,120
6.2	other services	236723	269324	299040	338798	397242	479,392	573,730
7	Gross Domestic Product at factor cost	2971464	3390503	3953276	4582086	5303567	6108903	7248860
8	Total Net Domestic Product at factor cost	2651573	3026782	3534547	4097390	4738370	5449104	6488641
9	Net Factor Income from Abroad	-22375	-26116	-33234	-20512	-32923	-38000	-81807
10	NNP at Factor Cost	2629198	3000666	3501313	4076878	4705447	5411104	6406834
11	Per Capita NNP (in Rupees)	24143	27131	31206	35825	40775	46249	54021

Source: Central Statistics Office.

Table 2.6 (g): Percentage Share of Gross Domestic Product (GDP) at 2004-05 Prices

Industry	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
I. Agriculture, forestry & fishing	19.0	18.3	17.4	16.8	15.8	14.6	14.6
agriculture	16.0	15.5	14.7	14.3	13.4	12.3	12.4
forestry & logging	2.1	1.9	1.8	1.7	1.6	1.5	1.4
fishing	0.9	0.9	0.9	0.8	0.8	0.8	0.7
II. Industry	27.9	28.0	28.7	28.7	28.1	28.3	27.9
mining & quarrying	2.9	2.6	2.6	2.5	2.4	2.3	2.2
manufacturing	15.3	15.3	16.0	16.1	15.8	16.2	16.2
electricity, gas & water supply	2.1	2.1	2.1	2.0	2.0	2.0	1.9
construction	7.7	7.9	8.0	8.1	8.0	7.8	7.6
III. Services	53.0	53.7	54.0	54.4	56.1	57.1	57.5
Gross Domestic Product at factor cost	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Source: Central Statistics Office.

Table 2.6 (h): Percentage Growth of Gross Domestic Product (GDP) at 2004-05 Prices

Industry	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. Agriculture, forestry & fishing	5.1	4.2	5.8	0.1	0.8	8.6
Agriculture	5.5	4.1	6.3	-0.3	0.4	9.5
forestry & logging	1.8	3.3	1.4	1.9	2.9	2.4
fishing	5.9	6.6	5.8	2.7	3.2	5.8
II. Industry	9.7	12.2	9.7	4.4	9.2	7.6
Mining & quarrying	1.3	7.5	3.7	2.1	5.9	6.5
manufacturing	10.1	14.3	10.3	4.3	11.3	8.9
electricity, gas & water supply	7.1	9.3	8.3	4.6	6.2	5.3
construction	12.8	10.3	10.8	5.3	6.7	5.7
III. Services	10.9	10.1	10.3	10.0	10.5	9.7
Gross Domestic Product at factor cost	9.5	9.6	9.3	6.7	8.6	8.9

Source: Central Statistics Office.

Table 2.7(a): Gross State Value Added (GSVA) from Agriculture and Allied Sector at Constant (2011-12) Prices

S. No.	State\UT	2011-12 (3)	2012-13 (4)	2013-14 (5)	2014-15 (6)	2015-16 (7)	2016-17 (8)
1	Andhra Pradesh	9475067	9857216	10920411	11259968	12175319	13883329
2	Arunachal Pradesh	455505	472794	491251	542124	509986	458662
3	Assam	2848113	3314074	3209159	3295165	3407054	NA
4	Bihar	6206655	6803952	5951631	5934907	6093511	6513597
5	Chhattisgarh	2685950	2850360	2927578	3010401	3038667	3217003
6	Goa	197421	188948	217740	222662	224343	NA
7	Gujarat	10736423	9255884	11713737	11714466	11347480	11781719
8	Haryana	6456789	6329621	6524719	6377952	6562812	6982663
9	Himachal Pradesh	1162627	1244328	1371209	1326899	1377823	1309210
10	Jammu & Kashmir	1308724	1227119	1323683	1158897	1447376	NA
11	Jharkhand	2233546	2364954	2321286	3033187	2249759	2505755
12	Karnataka	7554870	7179808	7693311	8013607	7113849	7521796
13	Kerala	4837594	4906807	4597159	4598265	4367362	4494127
14	Madhya Pradesh	9107231	11341375	11371346	12025714	11929914	15306632
15	Maharashtra	14517809	14248305	16046955	14654555	13987746	15742400
16	Manipur	251623	276425	289684	295331	270894	NA
17	Meghalaya	282868	313890	326927	376920	347407	363711
18	Mizoram	149468	145937	157013	329059	341300	NA
19	Nagaland	373363	392141	435269	452811	419316	NA
20	Odisha	3815451	4446373	4217370	4711024	4074096	4874833

(Contd.)

S. No.	State\UT	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
21	Punjab	7816825	7886831	8173474	7861974	7969097	8324591
22	Rajasthan	11910650	12263755	12994576	13730589	13652652	14040258
23	Sikkim	90137	93361	96740	99226	97920	102856
24	Tamil Nadu	8773221	7819910	9168957	9831549	10110306	10119539
25	Telangana	5461488	5944282	6071339	5581064	5215906	5994725
26	Tripura	511201	550569	646611	670462	660854	NA
27	Uttar Pradesh	18324305	19160893	19070840	18685674	19479380	21219445
28	Uttarakhand	1330208	1355631	1339653	1335728	1312862	1327345
29	West Bengal	NA	NA	NA	NA	NA	NA
30	Andaman & Nicobar Islands	59737	61238	65853	68686	70109	NA
31	Chandigarh	12615	12132	12363	12411	12504	11660
32	Delhi	286065	222574	209142	181509	165784	176490
33	Puducherry	75378	79263	80607	89147	90653	98052

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

2. Agriculture and Allied Sector includes Agriculture, Forestry, logging and Fishing.

NA :- Not Available

Table 2.7(b): Gross State Value Added (GSVA) from Agriculture (including Crop and Livestock Sector) at Constant (2011-12) Prices

S. No.	State \ UT	GSVA from Agriculture			Total GSVA			% Share of Agriculture in Total GSVA	
		2015-16 (3)	2016-17 (4)	2015-16 (5)	2016-17 (6)	2015-16 (7)	2016-17 (8)		
		(₹ in Lakh)							
1	Andhra Pradesh	9492104	10469200	44781913	49789445	21.20	21.03	21.03	
2	Arunachal Pradesh	306692	249152	1615002	1675337	18.99	14.87	14.87	
3	Assam	2705820	N.A	16849434	N.A	16.06	N.A	N.A	
4	Bihar	5181133	5585407	28833661	31671178.9	17.97	17.64	17.64	
5	Chhattisgarh	2296321	2457632	19683115	21140282.9	11.67	11.63	11.63	
6	Goa	135441	N.A	4101905	N.A	3.30	N.A	N.A	
7	Gujarat	10227189	10603725	78710000	85758534.7	12.99	12.36	12.36	
8	Haryana	6113562	6515896	36020244	39133940.4	16.97	16.65	16.65	
9	Himachal Pradesh	974935	890240	9294951	9930830.11	10.49	8.96	8.96	
10	Jammu & Kashmir	1263405	N.A	9117827	N.A	13.86	N.A	N.A	
11	Jharkhand	1707532	1861480	17755011	19273509	9.62	9.66	9.66	
12	Karnataka	6286127	6717700	73660773	78946459.5	8.53	8.51	8.51	
13	Kerala	3554281	3673264	40235273	4245887.8	8.83	8.65	8.65	
14	Madhya Pradesh	10723046	14067061	38152095	43221726	28.11	32.55	32.55	
15	Maharashtra	11961945	13679500	147381605	161493500	8.12	8.47	8.47	
16	Manipur	207656	N.A	1540985	N.A	13.48	N.A	N.A	
17	Meghalaya	279962	291063	1992653	2098718.05	14.05	13.87	13.87	
18	Mizoram	126624	N.A	1226148	N.A	10.33	N.A	N.A	
19	Nagaland	333509	N.A	1469790	N.A	22.69	N.A	N.A	

(Contd.)

S. No.	State \ UT	GSA from Agriculture			Total GSA		% Share of Agriculture in Total GSA	
		2015-16 (3)	2016-17 (4)	2015-16 (5)	2016-17 (6)	2015-16 (7)	2016-17 (8)	
20	Odisha	3039338	3734836	27499685	30289505.8	11.05	12.33	
21	Punjab	7195319	7529584	30488832	32241738.4	23.60	23.35	
22	Rajasthan	11851516	12167439	52191909	55508893.7	22.71	21.92	
23	Sikkim	92912	97636	1353860	1450775.66	6.86	6.73	
24	Tamil Nadu	9279802	9282929	86468992	92710226.1	10.73	10.01	
25	Telangana	4866859	5638495	41178355	45074294	11.82	12.51	
26	Tripura	369115	N.A	2719176	N.A	13.57	N.A	
27	Uttar Pradesh	17921834	19586100	83699668	89854609	21.41	21.80	
28	Uttarakhand	1011805	1035683	14168271	15152273.2	7.14	6.84	
29	West Bengal	N.A	N.A	N.A	N.A	N.A	N.A	
30	Andaman & Nicobar Islands	48502	N.A	513349	N.A	9.45	N.A	
31	Chandigarh	12003	11161	2415670	2626533.51	0.50	0.42	
32	Delhi	164286	174959	40977014	44074973.4	0.40	0.40	
33	Puducherry	63470	68970	1735082	1902372.14	3.66	3.63	

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

NA :- Not Available

Table 2.7(c): Gross State Domestic Product from Agriculture and Allied Sector at Constant (2004-05) Prices

State \ UT	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Andhra Pradesh	4023173	3961198	4088690	4821532	4735782	5059754	5001947
Arunachal Pradesh	122443	119383	131122	147115	136921	135085	153318
Assam	1365566	1400591	1427369	1467602	1496102	1599220	1644740
Bihar	2452979	2172883	2705570	2503527	2976649	2570808	3000165
Chhattisgarh	1015910	1145462	1196815	1308379	1178235	1278393	1553055
Goa	99811	123330	103611	105195	97536	98312	99949
Gujarat	3270600	4026200	3996700	4345600	4034000	4004200	4870896
Haryana	2212502	2172544	2479994	2478469	2657219	2618772	2755344
Himachal Pradesh	613297	651184	646707	704787	698252	620135	734608
Jammu & Kashmir	766153	767955	776071	781108	811001	807177	874620
Jharkhand	891672	924191	1040499	1098844	1280921	1201326	1254965
Karnataka	3118984	3428434	3330984	3743086	3827906	3983733	4627926
Kerala	2084375	2188216	2050767	2025514	2065657	2033328	1903856
Madhya Pradesh	3123830	3343877	3422388	3371464	3669792	3997137	4006773
Maharashtra	4492660	4906200	5594548	6364150	5380755	5435801	6574679
Manipur	127024	126644	126745	139434	152538	173267	141733
Meghalaya	152507	159973	162098	160612	167274	171050	174249
Mizoram	63025	64053	64227	73258	82198	89737	104474
Nagaland	202912	208092	210112	211403	227315	233878	253538
Odisha	1825698	1886717	1923241	2012888	2050447	2209191	2251182

(Contd.)

State\UT	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Punjab	3161249	3191433	3282420	3407949	3477186	3466610	3523584
Rajasthan	3272993	3283043	3529677	3586702	3737060	3636497	4962131
Sikkim	32325	33660	33690	35009	36510	38056	39904
Tamil Nadu	2436179	2759171	3124432	2986746	2918274	3103600	3335347
Telangana	1611215	2017739	2007884	2334738	2475052	2166440	2585760
Tripura	223164	230328	248996	291763	308285	324317	361445
Uttar Pradesh	7757076	7938533	8130574	8416275	8736317	8701753	9111541
Uttarakhand	552040	534257	559139	570823	549924	602899	629297
West Bengal	4993552	5104529	5212864	5536465	5406310	5781448	5660323
A & N islands	29874	22900	30349	30546	32884	33228	34613
Chandigarh	7708	7908	7951	8000	8521	7405	6891
Delhi	109448	105697	106908	103907	103234	130696	141034
Puducherry	30482	29445	32404	31971	47069	39277	49341

Source: Central Statistics Office (CSO)

Note:- 1. Figures are as per the old series with base year 2004-05

2. Agriculture and Allied Sector includes Agriculture, Forestry, logging and Fishing.

Table 2.8. Share of Agriculture & Allied Sector in Gross State Value Added (GSVA) at Current Prices (2011-12 series)

S.No.	State\UT	GSVA from Agriculture & Allied Sector							% Share of Agriculture & Allied in Total GSVA			% Growth over previous year		
		2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	(6)	(7)	(8)	2014-15	2015-16	(10)	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)					
1	Andhra Pradesh	12963294	14680287	16408561	30.00	29.72	29.42	13.25	11.77					
2	Arunachal Pradesh	603726	686220	788274	42.29	42.91	41.49	13.66	14.87					
3	Assam	3692959	3855548	NA	22.00	20.65	NA	4.40	NA					
4	Bihar	7371939	7951890	8095024	24.04	21.98	20.32	7.87	1.80					
5	Chhattisgarh	3599597	3948847	NA	18.42	17.71	NA	9.70	NA					
6	Goa	327957	319733	NA	8.58	7.85	NA	-2.51	NA					
7	Gujarat	13040117	13540660	NA	18.08	16.97	NA	3.84	NA					
8	Haryana	7892504	7990228	NA	21.64	19.78	NA	1.24	NA					
9	Himachal Pradesh	1497802	1514981	NA	16.76	15.46	NA	1.15	NA					
10	Jammu & Kashmir	1803357	1856481	NA	19.48	18.99	NA	2.95	NA					
11	Jharkhand	2844215	3211065	3632150	16.49	16.36	16.43	12.90	13.11					
12	Karnataka	9665727	11199871	11693156	13.05	13.52	12.56	15.87	4.40					
13	Kerala	5501261	5921796	NA	12.82	12.26	NA	7.64	NA					
14	Madhya Pradesh	14883950	16624193	19770912	35.94	35.93	36.76	11.69	18.93					
15	Maharashtra	18586360	16475655	NA	12.79	10.44	NA	-11.36	NA					
16	Manipur	349942	383140	NA	22.07	21.52	NA	9.49	NA					
17	Meghalaya	344514	365875	413131	15.77	16.22	15.72	6.20	12.92					
18	Mizoram	189886	217010	NA	18.74	19.45	NA	14.28	NA					

(₹ in Lakh)

(Contd.)

S. No.	State\UT	GSVA from Agriculture & Allied Sector				% Share of Agriculture & Allied in Total GSVA				% Growth over previous year	
		2013-14	2014-15	2015-16	2013-14	2014-15	2015-16	2014-15	2015-16	2014-15	2015-16
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(10)	
19	Nagaland	556609	607897	NA	33.90	33.37	NA	9.21	NA	NA	
20	Odisha	5358554	6290473	5569454	20.16	21.33	17.70	17.39	-11.46		
21	Punjab	9030656	9285716	NA	28.98	27.38	NA	2.82	NA	NA	
22	Rajasthan	14418664	15044394	NA	27.58	25.87	NA	4.34	NA	NA	
23	Sikkim	122419	137447	159217	9.19	9.37	9.92	12.28	15.84		
24	Tamil Nadu	10867130	13064238	13143892	12.23	13.13	11.98	20.22	0.61		
25	Telangana	7404689	7545922	7459975	17.25	15.67	13.98	1.91	-1.14		
26	Tripura	702979	799825	NA	28.07	27.47	NA	13.78	NA	NA	
27	Uttar Pradesh	23813650	25097754	28212490	26.90	25.74	26.18	5.39	12.41		
28	Uttarakhand	1579095	1601423	1715039	11.31	10.62	10.05	1.41	7.09		
29	West Bengal	NA	NA	NA	NA	NA	NA	NA	NA	NA	
30	Andaman & Nicobar Islands	72389	76670	NA	14.02	13.35	NA	5.91	NA	NA	
31	Chandigarh	14579	16233	17264	0.59	0.59	0.58	11.35	6.35		
32	Delhi	281919	305589	311220	0.74	0.73	0.65	8.40	1.84		
33	Puducherry	97627	113156	129392	5.09	5.34	5.54	15.91	14.35		

Source: Central Statistics Office

Note: Figures are as per the new series with base year 2011-12

2. Agriculture and Allied Sector includes Agriculture, Forestry, Logging and Fishing.

NA :- Not Available

3

Outlays, Expenditure and Capital Formation in Agriculture

Table 3.1: Share of Public Sector Outlays and Expenditure under Agriculture and Allied Activities

Five Year Plan / Annual Plan	Agriculture and Allied Activities				Total Plan Outlay				% share of Agriculture and Allied Activities
	Plan Outlays		Actual Expenditure		Plan Outlays		Actual Expenditure		
	(2)	(3)	(4)	(5)	(6)	(7)			
Ninth Plan (1997-2002)	42462	37239 \$	859200	941041 \$	4.90	4.00			
Annual Plan (1997-98)	6974	5929	155905	129757	4.50	4.57			
Annual Plan (1998-99)	8687	7698	185907	151580	4.70	5.08			
Annual Plan (1999-2000)	8796	7365	192263	160608	4.60	4.59			
Annual Plan (2000-2001)	8281	7577	203359	185737	4.10	4.08			
Annual Plan (2001-2002)	9097	8248	228893	186315	4.00	4.43			
Tenth Plan (2002-07)	58933	60702 \$	1525639	1618460 \$	3.90	3.80			
Annual Plan (2002-2003)	9977	7655	247897	210203	4.00	3.64			
Annual Plan (2003-2004)	9940	8776	256042	224827	3.90	3.90			
Annual Plan (2004-2005)	11109	10963	287843	263665	3.90	4.16			
Annual Plan (2005-2006)	13840	12554	361239	247177	3.80	5.08			
Annual Plan (2006-2007)	16163	16573	441285	309912	3.70	5.35			
Eleventh Plan (2007-12)	136381	163105 \$	3644718	3676936 \$	3.70	4.40			
Annual Plan (2007-2008)	17971	20083	558765	475012	3.20	4.23			
Annual Plan (2008-2009)	27270	27117	684288	628161	4.00	4.32			
Annual Plan (2009-2010)	28772	29498	794616	717035	3.60	4.11			
Annual Plan (2010-2011)	36983	40370	929725	826268	4.00	4.89			

(Contd.)

Five Year Plan / Annual Plan	Agriculture and Allied Activities			Total Plan Outlay			% share of Agriculture and Allied Activities	
	Plan Outlays (2)	Actual Expenditure (3)	Plan Outlays (4)	Actual Expenditure (5)	Plan Outlays (6)	Actual Expenditure (7)	Plan Outlays	Actual Expenditure
Annual Plan (2011-2012)	46255	46037	1097204	1030461	4.20	4.47		
Twelfth Plan (2012-17)*	363273	NA	7669807	NA	4.70	N.A		
Annual Plan (2012-2013)	56669	52521	1251715	971951	4.53	5.40		
Annual Plan (2013-2014)	64098	61356(RE)	13770936	1281022(RE)	4.68	4.79		
Annual Plan (2014-15)##	11531	9794.88	484532	420881.63	2.38	2.39		
Annual Plan (2015-16)##	11657	10942(RE)	578382	582707(RE)	2.02	1.88		
Annual Plan (2016-17)##	19394	NA	706248	NA	NA	NA		

Source: Economic Survey and Budget Documents, Ministry of Finance

Note: 1. Figures include Outlays and Expenditure by Centre, States and Union Territories.

2. Actual Central Expenditure figures are including IEBR from 2009-10 onwards
* 12th Plan projections (At current prices).

For Centre only, as figures for States & UTs are not yet available.

NA - Not Available, RE - Revised Estimates

\$ Indicates 9th, 10th and 11th Plan Realization.

Table 3.2: Public Sector Outlays/ Expenditure

Sl. No.	Sector	9th Plan		10th Plan		11th Plan		2008-09		2009-10		2010-11		2011-12	
		Outlays	(3)	Outlays	(4)	Outlays	(5)	BE	AE	BE	AE	BE	AE	BE	AE
1	Agriculture and Allied Activities	42462	58933	136381	27270	27117	28772	29498	36983	40370	46255	46037			
2	Rural Development	73439	121928	301069	39268	59080	64748	58615	70797	67008	75821	37599			
3	Special Area Programmes	3649	20879	26329	8372	6999	8295	7875	8860	10093	12413	0			
4	Irrigation & Flood Control	55598	103315	210326	48094	41164	50489	42853	54948	46049	64001	506			
5	Energy	215545	403927	854123	127496	39980	154012	148372	195333	150251	208436	121855			
6	Industry & Minerals	69972	58939	153600	34919	13343	45208	39041	52228	45056	56400	36235			
7	Transport	121324	225977	572443	121116	67849	135543	127356	145328	139542	171344	107532			
8	Communications	47616	98968	95380	21937	981	16731	14749	18529	10336	20256	6586			
9	Science, Technology & Environment	25529	30424	87933	13278	11860	15647	13267	18644	15949	22160	11735			
10	General Economic Services	15038	38630	62523	17970	11108	16332	11482	20097	20496	35179	19697			
11	Social Services	182005	347391	1102327	216548	190813	247331	215955	295896	272031	356713	145352			
12	General Services	11940	16328	42283	8020	6999	11508	7972	12082	9088	28226	5305			
	Total	859201	1525639	3644717	684288	477293	794616	717035	929725	826269	1097204	538439			

(Contd.)

Sl. No.	Sector	2012-13		2013-14		2014-15		2015-16		2016-17	
		Outlays	BE	AE	BE	RE	BE(##)	AE(##)	BE(##)	RE(##)	BE(##)
(1)	(2)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
1	Agriculture and Allied Activities	363273	56669	52521	64098	61356	11531	9795	11657	10942	19394
2	Rural Development	457464	72248	66194	77307	73255	3061	1222	3110	3005	2623
3	Special Area Programmes	80370	15342	11289	18392	18095	0	0	0	0	0
4	Irrigation & Flood Control	422012	72169	54394	78211	71253	1797	910	772	1105	1024
5	Energy	1438466	208711	179438	221095	238019	166275	170812	167342	171519	205877
6	Industry & Minerals	377302	71491	46786	64602	51428	40209	44006	43113	45512	49371
7	Transport	1204172	183015	145002	196628	175543	116202	100520	193417	178502	229874
8	Communications	80984	15411	6289	12380	9333	13009	6437	12032	13451	13806
9	Science, Technology & Environment	167350	24220	18304	26874	22664	18792	14382	19023	17965	20926
10	General Economic Services	305612	51525	37079	63022	47660	26318	16767	20333	38597	46686
11	Social Services	2664843	419267	340266	476980	443357	79433	50867	81024	83555	100420
12	General Services	107959	66040	14390	71347	69060	7906	5164	26558	18554	16247
	Total	7669807	1256108	971951	1370936	1281022	484532	420882	578382	582707	706248

For Centre only, as figures for States & UTs are not available. * 12th Plan Projections.

Figures include Outlays and Expenditure by Centre, States and Union Territories.

Source: Economic Survey and Budget Documents, Ministry of Finance.

Table 3.3 : Disaggregated Public Sector Outlays / Expenditure under Agriculture and Allied Activities

(₹ Crore)

S.No.	Sector	2003-04		2004-05		2005-06		2006-07		2007-08 (##)		2008-09 (##)		2009-10 (##)	
		BE	AE	BE	AE	BE	AE	BE	RE*	BE	RE*	BE	RE*	BE	RE*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Crop Husbandry	3726	3329	4240	3938	5624	5225	6196	4012	4657	4921	5902	5840	6165	6545
2	Horticulture	0	82	118	185	189	196	335	NA	NA	NA	NA	NA	NA	NA
3	Soil & Water Conservation	893	650	976	884	941	839	1072	21	21	21	11	13	14	14
4	Animal Husbandry	545	457	661	643	909	821	1071	440	540	467	620	601	627	507
5	Dairy Development	93	73	116	110	154	155	187	67	80	101	89	89	89	86
6	Fisheries	297	241	375	350	473	417	660	175	284	171	291	209	411	341
7	Forestry & Wild Life	2070	1831	2048	1779	2296	2536	2769	511	627	694	751	776	849	929
8	Plantation	245	172	301	276	345	296	378	310	274	262	313	316	305	390
9	Food Storage & Warehousing	186	89	126	138	233	233	332	234	333	269	225	223	295	235
10	Agriculture, Research & Edn.	1020	1018	1257	1163	1434	1374	1768	1287	1458	1291	1584	1584	NA	1707
11	Agricultural Financial Inst.	50	60	82	33	66	60	124	5	NA	NA	NA	NA	NA	NA
12	Cooperation	583	453	494	1016	618	805	829	162	124	142	137	137	137	113
13	Other Agricultural Programmes	232	321	315	447	557	481	442	168	160	205	152	181	153	147
	Total	9940	8776	11109	10962	13840	13438	16163	7392	8558	8544	10075	9969	9045	11014

(Contd.)

S.No.	Sector	2010-11(##)		2011-12(##)		2012-13(##)		2013-14(##)		2014-15(##)		2015-16(##)		2016-17(##)	
		BE	AE	BE	AE	BE	AE	BE	AE	BE	AE	BE	AE	BE	AE
(1)	(2)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)
1	Crop Husbandry	7084	9813	7891	8066	9034	8660	9876	9185	4432	3658	4339	4794	5803	
2	Horticulture	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
3	Soil & Water Conservation	16	14	15	15	16	15	19	16	18	16	18	17	NA	
4	Animal Husbandry	855	715	950	724	1063	888	975	925	172	151	130	156	118	
5	Dairy Development	76	85	223	196	353	524	525	502	411	320	482	488	454	
6	Fisheries	242	291	270	304	299	297	317	316	423	353	411	392	405	
7	Forestry & Wild Life	796	929	786	914	907	806	1041	884	379	348	275	284	331	
8	Plantation	331	474	415	595	446	501	458	468	370	446	360	360	181	
9	Food Storage & Warehousing	498	502	644	703	787	764	801	1222	727	659	1090	639	750	
10	Agriculture, Research & Edn.	2070	2522	2492	2573	2898	2461	3113	2451	3354	2457	3321	2700	3330	
11	Agricultural Financial Inst.	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
12	Cooperation	82	103	222	124	125	104	121	112	125	110	112	125	NA	
13	Other Agricultural Programmes	258	268	836	1980	1764	2008	1535	1707	1120	1277	1120	986	8022	
	Total	12308	15716	14744	16194	17692	17030	18781	17788	11531	9795	11657	10942	19394	

Source : 1. Budget Documents, Ministry of Finance.

2. Plan Documents, Planning Commission. For State Outlays, State Plan Division, Planning Commission.

Note : Totals may not tally due to rounding off of the figures. BE - Budget Estimates. RE - Revised Estimates

##: For Centre only, as figures for States & UTs are not available in sub-head wise.

* As sub-head Actual Expenditure figures are not available before 2009-10, Revised Estimates figures have been taken into account

Table 3.4(a): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Agriculture, Cooperation & Farmers Welfare)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1991-92	1041.35	1016.93	957.86
1992-93	1050.00	1273.16	1214.88
1993-94	1330.00	1320.05	1183.50
1994-95	1405.00	1458.84	1279.43
1995-96	1490.00	1325.39	1246.42
1996-97	1471.25	1377.91	1378.61
1997-98	1431.00	1266.28	1222.80
1998-99	1956.00	1378.41	1358.89
1999-00	1956.00	1492.00	1471.90
2000-01	1965.00	1692.00	1666.04
2001-02	1985.00	1985.00	1792.92
2002-03	2167.00	1667.00	1676.78
2003-04	2167.00	2120.00	2050.73
2004-05	2650.00	2945.00	2657.42
2005-06	4179.32	3890.00	3798.69
2006-07	4800.00	4860.00	4860.00
2007-08	5560.00	6927.94	7058.50
2008-09	10105.67	9865.68	9530.30
2009-10	11307.07	10965.23	10870.15
2010-11	15042.00	17254.00	17052.59
2011-12	17122.87	16515.05	16354.70
2012-13	20208.00	17867.32	17730.72
2013-14	21609.00	19000.00	18721.70
2014-15	22309.00	19530.00	19191.61
2015-16	16646.35	15500.00	15028.00
2016-17	20400.00	29411.32	26639.66
2017-18	41855.00	41105.00	28908.08*

Source : Department of Agriculture, Cooperation & Farmers Welfare.

* As on 31.12.2017 NA: Not Available

Table 3.4(b): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Animal Husbandry, Dairying and Fisheries)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1997-98	319.15	224.96	209.81
1998-99	381.90	210.60	170.24
1999-00	381.90	225.00	207.30
2000-01	300.00	230.00	213.28
2001-02	300.00	240.00	239.68
2002-03	300.00	240.00	238.90
2003-04	300.00	275.00	271.76
2004-05	500.00	575.00	566.22
2005-06	669.08	599.00	589.37
2006-07	777.00	750.00	681.74
2007-08	910.00	810.00	784.09
2008-09	1000.00	940.00	865.27
2009-10	1100.00	930.00	873.38
2010-11	1300.00	1257.00	1104.68
2011-12	1600.00	1356.52	1243.12
2012-13	1910.00	1800.00	1736.71
2013-14	2025.00	1800.00	1748.66
2014-15	2174.00	1800.00	1738.12
2015-16	1491.14	1491.14	1410.34
2016-17	1600.00	1748.02	1743.12*
2017-18	2371.00	2166.74	1511.20*

Source : Department of Animal Husbandry, Dairying and Fisheries

* As on 31.12.2017

NA: Not Available

Table 3.4(c): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Agricultural Research and Education)

(₹ Crore)

Year	Budget Estimate	Revised Estimate	Actual Expenditure
(1)	(2)	(3)	(4)
1991-92	190.00	180.51	173.07
1992-93	200.00	184.00	175.94
1993-94	250.00	250.00	227.91
1994-95	275.00	274.99	274.76
1995-96	310.00	290.00	289.96
1996-97	244.08	310.00	308.46
1997-98	331.17	331.17	331.14
1998-99	531.17	400.00	421.94
1999-00	573.50	504.00	503.78
2000-01	629.55	550.00	774.50
2001-02	684.00	550.00	683.69
2002-03	775.00	725.00	698.71
2003-04	775.00	775.00	701.33
2004-05	1000.00	900.00	881.81
2005-06	1150.00	1070.00	1069.58
2006-07	1350.00	1430.00	1428.22
2007-08	1620.00	1434.00	1402.73
2008-09	1760.00	1760.00	1768.71
2009-10	1760.00	1821.32	1821.26
2010-11	2300.00	2307.50	2529.29
2011-12	2800.00	2858.54	2831.60
2012-13	3220.00	2520.00	2519.09
2013-14	3415.00	2600.00	2599.97
2014-15	3715.00	2500.00	2456.82
2015-16	3691.00	3000.00	2988.61
2016-17	3700.00	3166.58	2989.65
2017-18	2166.46	NA	1624.78

Source : Department of Agricultural Research and Education

* upto October 2017

NA: Not Available

Table 3.5(a) : Scheme-wise Budget Estimate and Expenditure (Department of Agriculture, Cooperation & Farmers Welfare)

(₹ Crore)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Additional Central Assistance	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)
IX Plan Outlays	5533.65	3343.17	277.00		9153.82
IX Plan Expenditure	4024.67	3357.17	130.71		7512.55
X Plan Outlays	7236.73	5694.00	264.27		13195.00
X Plan Expenditure	9066.54	5829.95	127.17		15043.62
XI Plan Outlays					66577.00
2007-08					
BE	1523.20	3996.80	0.00	40.00	5560.00
RE	2090.18	3797.76	0.00	1040.00	6927.94
Expenditure	2041.55	3730.06	0.00	1286.89	7058.50
2008-09					
BE	2126.00	4774.00	0.00	3205.67	10105.67
RE	2370.46	4563.52	0.00	2931.70	9865.68
Expenditure	2278.89	4325.69	0.00	2925.72	9530.30
2009-10					
BE	2226.00	4974.00	0.00	4107.07	11307.07
RE	2767.47	4450.69	0.00	3747.07	10965.23
Expenditure	2753.44	4320.38	0.00	3796.33	10870.15
2010-11					
BE	2623.02	5656.98	0.00	6762.00	15042.00
RE	4776.69	5715.20	0.11	6762.00	17254.00
Expenditure	4559.04	5733.56	0.06	6759.94	17052.59
2011-12					
BE	2947.05	6314.90	0.05	7860.87	17122.87
RE	2635.75	6018.28	0.15	7860.87	16515.05
Expenditure	2599.62	5910.96	0.03	7844.09	16354.70
XI Plan Expenditure	14232.54	24020.64	0.09	22612.97	60866.24
XII Plan Outlays					134746.00
2012-13					
BE	7488.00	3503.00	0.00	9217.00	20208.00
RE	6314.42	3152.90	0.00	8400.00	17867.32
Expenditure	6225.01	3105.71	0.00	8400.00	17730.72
2013-14					
BE	7365.00	4290.00	0.00	9954.00	21609.00
RE	6982.23	4928.77	0.00	7089.00	19000.00

(Contd.)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Additional Central Assistance	Grand Total
(1)	(2)	(3)	(4)	(5)	(6)
Expenditure	6870.64	4798.36	0.00	7052.50	18721.50
2014-15					
BE	6509.00	5846.00	0.00	9954.00	22309.00
RE	5730.31	5355.69	0.00	8444.00	19530.00
Expenditure	5740.36	5008.91	0.00	8443.21	19192.48
2015-16					
BE	6300.50	5845.85	0.00	4500.00	16646.35
RE	5203.20	5896.80	0.00	3900.00	15000.00
Expenditure	8377.33	2710.67	0.00	3940.00	15028.00
2016-17					
BE	7651.00	12749.00	0.00	0.00	20400.00
RE	16146.28	13265.04	0.00	0.00	29411.32
Expenditure	15566.96	11072.73	0.00	0.00	26639.69
2017-18					
BE	17141.00	24714.00	0.00	0.00	41855.00
RE	NA	NA	NA	NA	NA
Expenditure	NA	NA	NA	NA	NA

Source : Department of Agriculture, Cooperation & Farmers Welfare

NA: Not Available

Table 3.5(b) : Scheme-wise Budget Estimate and Expenditure
 (Department of Animal Husbandry, Dairying and Fisheries)

(₹ Crore)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)	(5)
IX Plan Outlays	1738.62	598.35	8.67	2345.64
IX Plan Expenditure	691.52	340.48	8.31	1040.31
X Plan Outlays	1721.54	837.53	10.00	2569.07
X Plan Expenditure	1705.93	642.06	0.00	2347.99
XI Plan Outlays	3715.80	4338.20	120.00	8174.00
2007-08				
BE	313.50	506.50	90.00	910.00
RE	334.72	438.28	37.00	810.00
Expenditure	348.10	400.65	35.34	784.09
2008-09				
BE	363.00	597.00	40.00	1000.00
RE	400.41	505.39	34.20	940.00
Expenditure	403.20	455.64	6.43	865.27
2009-10				
BE	574.39	464.50	61.11	1100.00
RE	493.06	407.78	29.16	930.00
Expenditure	487.62	373.49	12.27	873.38
2010-11				
BE	771.06	472.94	56.00	1300.00
RE	801.96	444.51	10.53	1257.00
Expenditure	722.61	373.18	8.89	1104.68
2011-12				
BE	972.01	872.96	819.55	0.00
RE	555.79	476.84	423.56	1456.19
Expenditure	72.20	6.72	0.00	78.92
XI Plan Expenditure	2033.73	1609.68	62.93	3706.34
XII Plan Outlays	7434.00	6745.00	0.00	14179.00
2012-13				
BE	1008.43	829.37	72.20	1910.00
RE	839.48	960.48	0.04	1800.00
Expenditure	822.68	914.18	0.02	1736.88
2013-14				
BE	1052.98	972.02	0.00	2025.00
RE	962.25	837.75	0.00	1800.00
Expenditure	926.11	823.47	0.00	1749.58

(Contd.)

Period	Centrally Sponsored Schemes	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)	(5)
2014-15				
BE	1040.99	1133.01	0.00	2174.00
RE	898.65	901.35	0.00	1800.00
Expenditure	907.04	824.13	0.00	1731.17
2015-16				
BE	408.00	1083.14	0.00	1491.14
RE	403.57	1087.57	0.00	1491.14
Expenditure	397.23	1013.11	0.00	1410.34
2016-17				
BE	542.00	1058.00	0.00	1600.00
RE	495.45	1252.57	0.00	1748.02
Expenditure	495.40	1247.72	0.00	1743.12
2017-18				
BE	608.77	1762.23	0.00	2371.00
RE	607.77	1558.97	0.00	2166.74
Expenditure*	516.45	994.75	0.00	1511.20

Source : Department of Animal Husbandry, Dairying and Fisheries.

NA: Not Available * expenditure upto 31.12.2017

Table 3.5 (c): Budget Estimate, Revised Estimate and Actual Expenditure
(Department of Agricultural Research and Education)

(₹ Crore)

Period	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)
IX Plan Outlay	2335.17	0.00	2335.17
IX Plan Expenditure	2715.00	0.00	2715.00
X Plan Outlay	4452.49	447.51	4900.00
X Plan Expenditure	4332.14	447.51	4779.65
XI Plan Outlay			
2007-08			
BE	1335.00	285.00	1620.00
RE	1348.30	85.70	1434.00
Expenditure	1317.03	85.70	1402.73
2008-09			
BE	1503.00	257.00	1760.00
RE	1503.00	257.00	1760.00
Expenditure	1511.71	257.00	1768.71
2009-10			
BE	1503.00	257.00	1760.00
RE	1544.09	277.23	1821.32
Expenditure	1544.03	277.23	1821.26
2010-11			
BE	2006.03	293.97	2300.00
RE	2037.50	270.00	2307.50
Expenditure	2259.29	270.00	2529.29
2011-12			
BE	2624.00	176.00	2800.00
RE	2682.54	176.00	2858.54
Expenditure	2655.60	176.00	2831.60
XI Plan Expenditure	8049.50	1065.93	9115.43
XII Plan Outlay			
2012-13			
BE	3069.00	131.00	3200.00
RE	2370.00	150.00	2520.00
Expenditure	2369.09	150.00	2519.09
2013-14			
BE	3015.00	400.00	3415.00
RE	2365.00	235.00	2600.00
Expenditure	2364.97	235.00	2599.97

(Contd.)

Period	Central Sector Schemes	Externally Aided Projects	Grand Total
(1)	(2)	(3)	(4)
2014-15			
BE	3606.00	109.00	3715.00
RE	2405.35	94.65	2500.00
Expenditure	2362.17	94.65	2456.82
2015-16			
BE	3691.00	-	3691.00
RE	3000.00	-	3000.00
Expenditure	2988.61		2988.61
2016-17			
BE	3700.00	-	3700.00
RE	3166.58	-	2989.65
Expenditure	2989.65	-	3166.58
2017-18			
BE	2166.46	-	2166.46
RE	NA	-	NA
Expenditure	1624.78*	-	1624.78*

Source : Department of Agricultural Research and Education

* upto October 2017

NA: Not Available

Table 3.6(a) Gross Capital Formation in Agriculture & Allied Sector(at current prices, 2004-05 series)

Year	GCF in Agriculture & Allied sector			GCF of Economy(by industry of use)			Share of Agriculture & Allied sector		
	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	16187	59909	76096	240580	770598	1011178	6.7	7.8	7.5
2005-06	20739	69204	89943	293350	931331	1224681	7.1	7.4	7.3
2006-07	25606	75496	101102	356556	1134319	1490875	7.2	6.7	6.8
2007-08	27638	95679	123317	441923	1401285	1843208	6.3	6.8	6.7
2008-09	26692	133655	160347	531730	1396160	1927890	5.0	9.6	8.3
2009-10	33201	151325	184526	592788	1642155	2234943	5.6	9.2	8.3
2010-11	31968	165396	197364	656448	2024131	2680579	4.9	8.2	7.4

Source : Central Statistics Office (CSO)

Table 3.6(b) Gross Capital Formation in Agriculture & Allied Sector (at current prices, 2011-12 series)

Year	GCF in Agriculture & Allied sector			GCF of Economy (by industry of use)			Share of Agriculture & Allied sector		
	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	39743	233747	273490	718648	2820849	3539498	5.5	8.3	7.7
2013-14	40827	290009	330836	794931	2865311	3660242	5.1	10.1	9.0
2014-15	47319	284545	331863	884470	3178620	4063089	5.3	9.0	8.2
2015-16	52267	239721	291989	1025151	3147871	4173023	5.1	7.6	7.0
2016-17	64410	279066	343476	1123247	3329403	4452650	5.7	8.4	7.7

Source : Central Statistics Office (CSO)

Note : 1. GCF of economy (Public Sector) is the sum of GCF of Public Non-financial corporations, Public Financial Corporations and General Government

2. GCF of economy (Private Sector) is the sum of GCF of Private Non-financial corporations, Private Financial Corporations and Households

3. Figures are as per the First Revised Estimates of National Income, Consumption Expenditure, Saving and Capital Formation for 2016-17 released on 31st January, 2018

Table 3.6(c): Gross Capital Formation in Agriculture & Allied Sector(at constant prices, 2004-05)

Year	GCF in Agriculture & Allied sector			GCF of Economy(by industry of use)			Share of Agriculture & Allied sector in Total GCF(%)		
	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2004-05	16187	59909	76096	240580	770598	1011178	6.7	7.8	7.5
2005-06	19940	66664	86604	281995	901308	1183303	7.1	7.4	7.3
2006-07	22987	69070	92057	324020	1040801	1364821	7.1	6.6	6.7
2007-08	23257	82484	105741	382431	1223744	1606175	6.1	6.7	6.6
2008-09	20572	106555	127127	429285	1136948	1566233	4.8	9.4	8.1
2009-10	22693	110469	133162	449686	1287840	1737526	5.0	8.6	7.7
2010-11	19854	112880	132734	467224	1509522	1976746	4.2	7.5	6.7

Source : Central Statistics Office(CSO)

Table 3.6(d): Gross Capital Formation in Agriculture & Allied Sector(at constant prices, 2011-12)

Year	GCF in Agriculture & Allied sector		GCF of Economy (by industry of use)		Share of Agriculture & Allied sector in Total GCF(%)				
	Public Sector	Pvt. Sector	Total	Public Sector	Pvt. Sector	Total			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
2011-12	35696	238175	273870	658358	2547358	3205716	5.4	9.3	8.5
2012-13	36019	215075	251094	674878	2672444	3347322	5.3	8.0	7.5
2013-14	33925	250499	284424	716140	2608543	3324683	4.7	9.6	8.6
2014-15	37172	235491	272663	774388	2778459	3552847	4.8	8.5	7.7
2015-16	39105	193734	232839	906101	2774541	3680642	4.3	7.0	6.3
2016-17	45981	219371	265352	980209	2907921	3888131	4.7	7.5	6.8

Source : Central Statistics Office (CSO)

Note: Figures are as per the First Revised Estimates of National Income, Consumption Expenditure, Saving and Capital Formation for 2016-17 released on 31st January, 2018

Year	Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (Current prices)		GDP at market price		Share (%) in Total		
	Public Investment	Private Investment	Total	Public	Private	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2011-12	35696	238175	273871	8736329	0.4	2.7	3.1
2012-13	39743	233747	273490	9944013	0.4	2.4	2.8
2013-14	40827	290008	330835	11233522	0.4	2.6	2.9
2014-15	46746	291113	337859	12445128	0.4	2.3	2.7
2015-16	60244	274126	334370	13682035	0.4	2.0	2.4

Source : Central Statistics Office(CSO)

Table 3.7(b) : Public and Private Investment in Agriculture and Allied Sectors in Total GDP at Market Prices (2011-12 prices)

Year	Public Investment	Private Investment	Total	GDP at Market Prices		Share (%) in Total	
				(2)	(3)	(4)	(5)
2011-12	35696	238175	273870	8736329	0.4	2.7	3.1
2012-13	36019	215075	251094	9213017	0.4	2.3	2.7
2013-14	33925	250499	284424	9801370	0.3	2.6	2.9
2014-15	37172	235491	272663	10527674	0.4	2.2	2.6
2015-16	39105	193734	232839	11386145	0.3	1.7	2.0
2016-17	45981	219371	265352	12196006	0.4	1.8	2.2

Source : Central Statistics Office(CSO)

Note: Figures are as per the First Revised Estimates of National Income, Consumption Expenditure, Saving and Capital Formation for 2016-17 released on 31st January, 2018

Table 3.8(a) : Share (%) of Gross Capital Formation (GCF) to Gross Domestic Product (GDP) in Agriculture & Allied Sectors

Year	At 2004-05 Prices			At Current Prices		
	Public	Private	Total	Public	Private	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	2.9	10.6	13.5	2.9	10.6	13.5
2005-06	3.4	11.2	14.6	3.3	10.9	14.1
2006-07	3.7	11.2	14.9	3.5	10.4	14.0
2007-08	3.5	12.6	16.1	3.3	11.4	14.7
2008-09	3.1	16.3	19.4	2.8	14.2	17.0
2009-10	3.4	16.7	20.1	3.1	14.0	17.0
2010-11	2.8	15.7	18.5	2.4	12.5	15.0

Source : Central Statistics Office(CSO)

3.8(b) : Share (%) of Gross Capital Formation (GCF) to Gross Value Added (GVA) in Agriculture & Allied Sectors

Year	At 2011-12 Prices			At Current Prices		
	Public (2)	Private (3)	Total (4)	Public (5)	Private (6)	Total (7)
2011-12	2.4	15.9	18.2	2.4	15.9	18.2
2012-13	2.4	14.1	16.5	2.4	14.0	16.3
2013-14	2.1	15.6	17.7	2.1	15.1	17.2
2014-15	2.3	14.7	17.0	2.3	13.6	15.9
2015-16	2.4	12.0	14.4	2.3	10.8	13.1
2016-17	2.7	12.8	15.5	2.6	11.2	13.8

Source: Central Statistics Office(GSO)

Note: Figures are as per the First Revised Estimates of National Income, Consumption Expenditure, Saving and Capital Formation for 2016-17 released on 31st January, 2018

4 (A)

Area, Production and Yield of
Principal Crops

Table 4.1(a): Target and Achievement of Production of Major Crops during Tenth Five Year Plan

Crop	2002-03		2003-04		2004-05		2005-06		2006-07		Xth Plan	
	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement	Target	Achievement
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Rice	93.00	71.82	93.00	88.53	93.50	83.13	87.80	91.79	92.80	93.35	460.10	428.62
Wheat	78.00	65.76	78.00	72.15	79.50	68.64	75.53	69.35	75.53	75.81	386.56	351.71
Coarse Cereals	33.00	26.07	34.00	37.60	36.80	33.46	36.52	34.06	36.52	33.92	176.84	165.11
Pulses	16.00	11.13	15.00	14.91	15.30	13.13	15.15	13.39	15.15	14.20	76.60	66.76
Foodgrains	220.00	174.77	220.00	213.19	225.10	198.36	215.00	208.60	220.00	217.28	1100.10	1012.20
Oilseeds	27.00	14.84	24.70	25.19	26.20	24.35	26.58	27.98	29.40	24.29	133.88	116.65
Sugarcane	320.00	287.38	320.00	233.86	270.00	237.09	237.50	281.17	270.00	355.52	1417.50	1395.02
Cotton #	15.00	8.62	15.00	13.73	15.00	16.43	16.50	18.50	18.50	22.63	80.00	79.91
Jute & Mesta@	12.00	11.28	12.00	11.17	11.80	10.27	11.28	10.84	11.28	11.27	58.36	54.83

Million Bales of 170 kg each.

@ Million Bales of 180 kg each.

Source: Directorate of Economics & Statistics, DAC&FW

Table 4.1(b): Target and Achievement of Production of Major Crops during Eleventh and Twelfth Five Year Plans

Crop	2007-08		2008-09		2009-10		2010-11		2011-12		Xth Plan		2013-14		2014-15		2015-16		2016-17*			
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)
Rice	93.00	96.69	97.00	99.18	100.50	89.09	102.00	95.98	102.00	105.30	494.50	486.24	104.00	105.24	103.00	106.65	106.00	105.48	106.10	104.41	108.50	110.15
Wheat	75.50	78.57	78.50	80.68	79.00	80.80	82.00	86.87	84.00	94.88	399.00	421.80	88.00	93.51	92.50	95.85	94.00	86.53	94.75	92.29	96.50	98.38
Coarse Cereals	37.50	40.76	42.00	40.03	43.10	33.55	44.00	43.68	42.00	42.01	208.60	200.03	44.00	40.04	42.50	43.29	41.50	42.86	43.20	38.52	44.35	44.19
Pulses	15.50	14.76	15.50	14.57	16.50	14.66	16.50	18.24	17.00	17.09	81.00	79.32	18.24	18.34	19.00	19.25	19.50	17.15	20.05	16.35	20.75	22.95
Foodgrains	221.50	230.78	233.00	234.47	239.10	218.11	244.50	244.78	245.00	259.29	1183.10	1187.43	254.24	257.13	259.00	265.04	261.00	252.02	264.10	251.57	270.10	275.68
Oilseeds	30.00	29.76	31.75	27.72	31.60	24.88	33.20	32.48	33.60	30.01	160.15	144.85	33.50	30.94	31.00	32.75	33.00	27.51	33.00	25.25	35.00	32.10
Sugarcane	310.00	348.19	340.00	285.03	340.00	292.30	315.00	342.38	350.00	361.04	1655.00	1628.94	352.00	341.20	340.00	352.14	345.00	362.33	355.00	348.45	355.00	306.72
Cotton #	22.00	25.88	26.00	22.28	26.00	24.02	26.00	33.00	34.00	35.20	134.00	140.38	35.00	34.22	35.00	35.90	35.00	34.80	35.15	30.01	36.00	33.09
Jute & Mesta@	11.00	11.21	11.00	10.37	11.20	11.82	11.50	10.62	12.30	11.40	57.00	55.42	12.00	10.93	12.00	11.69	11.20	11.13	11.70	10.52	11.70	10.60

Source: Directorate of Economics & Statistics, DCE&FW

* 4th Advance Estimates.

Million Bales of 170 kg each.

@ Million Bales of 180 kg each

Table4.2: Three Largest Producing States of Important Crops during 2016-17*

Production : Million Tonnes			
Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
I. Foodgrains	Rice	West Bengal	15.09
		Uttar Pradesh	12.95
		Punjab	11.03
		All - India	110.15
	Wheat	Uttar Pradesh	30.06
		Madhya Pradesh	17.94
		Punjab	16.44
		All - India	98.38
	Maize	Maharashtra	3.80
		Karnataka	3.26
		Madhya Pradesh	3.17
		All - India	26.26
	Total Coarse Cereals	Maharashtra	6.96
		Rajasthan	6.78
		Karnataka	5.22
All - India		44.19	
Total Pulses	Madhya Pradesh	6.25	
	Maharashtra	3.81	
	Rajasthan	3.06	
	All - India	22.95	
Total Foodgrains	Uttar Pradesh	49.14	
	Madhya Pradesh	32.98	
	Punjab	27.99	
	All - India	275.68	
II .Oilseeds	Groundnut	Gujarat	3.16
		Rajasthan	1.14
		Andhra Pradesh	0.71
		All - India	7.56
	Rapeseed & Mustard	Rajasthan	3.71
		Madhya Pradesh	0.92
	Haryana	0.90	

(Contd.)

Group of Crops	Crops	States	Production
(1)	(2)	(3)	(4)
		All - India	7.98
	Soybean	Madhya Pradesh	7.08
		Maharashtra	4.77
		Rajasthan	1.13
		All - India	13.79
	Sunflower	Karnataka	0.10
		Odisha	0.02
		Andhra Pradesh	0.02
		All - India	0.24
	Total Oilseeds	Madhya Pradesh	8.68
		Rajasthan	6.31
		Maharashtra	5.26
		All - India	32.10
III. Other Cash Crops	Sugarcane	Uttar Pradesh	144.78
		Maharashtra	50.64
		Karnataka	23.54
		All - India	306.72
	Cotton @	Maharashtra	10.62
		Gujarat	8.22
		Telangana	2.93
		All - India	33.09
	Jute & Mesta\$	West Bengal	7.86
		Bihar	1.68
		Assam	0.83
		All - India	10.60

Source: Directorate of Economics & Statistics, DAC&FW

@ : Production in million bales of 170 kg. each.

* 4th Advance Estimates.

\$: Production in million bales of 180 kg. each.

Table 4.3 : Normal Estimates (Average of 2011-12 to 2015-16) of Area, Production and Yield of Major Crops in India

Group of Crops (1)	Crops (2)	Season (3)	Area (4)	Production (5)	Area - Million Hectares Production - Million Tonnes Yield - Kg./ Hectare	
					Yield	(6)
I. Foodgrains	Rice	Khharif	39.59	91.88	2321	
		Rabi	4.11	13.53	3296	
		Total	43.70	105.42	2412	
	Wheat	Rabi	30.44	92.61	3042	
	Jowar	Khharif	2.35	2.53	1078	
		Rabi	3.75	2.77	738	
		Total	6.10	5.30	869	
	Bajra	Khharif	7.67	9.10	1188	
	Maize	Khharif	7.33	16.58	2262	
		Rabi	1.57	6.42	4084	
	Total	8.90	23.00	2584		
Total Coarse Cereals		Khharif	19.21	30.51	1588	
	Rabi	5.99	10.84	1811		
	Total	25.19	41.35	1641		
Tur	Khharif	3.92	2.84	725		

(Contd.)

Group of Crops (1)	Crops (2)	Season (3)	Area (4)	Production (5)	Yield (6)
	Gram	Rabi	8.68	8.09	932
	Total Pulses	Kharif	10.56	5.85	554
		Rabi	13.72	11.79	859
		Total	24.28	17.64	726
	Total Foodgrains	Kharif	69.36	128.23	1849
		Rabi	54.26	128.78	2373
		Total	123.62	257.01	2079
II . Oilseeds	Groundnut	Total	4.97	7.10	1429
	Rapeseed & Mustard	Rabi	6.09	7.12	1169
	Soybean	Kharif	11.04	11.54	1045
	Sunflower	Total	0.66	0.46	693
	Nine Oilseeds	Total	26.51	29.25	1104
III . Other Cash Crops	Sugarcane	Total	5.00	353.03	70539
	Cotton @	Total	12.25	34.03	472
	Jute & Mesta\$	Total	0.84	11.13	2388

Source: Directorate of Economics & Statistics, DAG&FW

@ : Production in million bales of 170 kg. each.

\$: Production in million bales of 180 kg. each.

Table 4.4: Season-wise Area, Production and Yield of Foodgrains

Year	Kharif			Rabi			Total		
	A	P	Y	A	P	Y	A	P	Y
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1966-67	78.21	48.89	625	37.09	25.34	683	115.30	74.23	644
1967-68	81.49	60.76	746	39.93	34.29	859	121.42	95.05	783
1968-69	80.40	59.57	741	40.03	34.44	860	120.43	94.01	781
1969-70	82.30	62.35	758	41.27	37.15	900	123.57	99.50	805
1970-71	82.36	68.92	837	41.96	39.50	941	124.32	108.42	872
1971-72	79.22	62.99	795	43.40	42.18	972	122.62	105.17	858
1972-73	78.34	58.64	749	40.94	38.39	938	119.28	97.03	813
1973-74	84.12	67.84	806	42.42	36.83	868	126.54	104.67	827
1974-75	79.74	59.10	741	41.34	40.73	985	121.08	99.83	824
1975-76	83.15	73.89	889	45.03	47.14	1047	128.18	121.03	944
1976-77	81.18	66.53	820	43.18	44.64	1034	124.36	111.17	894
1977-78	82.88	77.72	938	44.64	48.69	1091	127.52	126.41	991
1978-79	82.85	78.08	942	46.16	53.82	1166	129.01	131.90	1022
1979-80	80.79	63.25	783	44.42	46.45	1046	125.21	109.70	876
1980-81	83.21	77.65	933	43.46	51.94	1195	126.67	129.59	1023
1981-82	83.93	79.38	946	45.21	53.92	1193	129.14	133.30	1032
1982-83	79.08	69.90	884	46.02	59.62	1296	125.10	129.52	1035
1983-84	84.14	89.23	1060	47.02	63.14	1343	131.16	152.37	1162

(Contd.)

Year	Kharif			Rabi			Total		
	A	P	Y	A	P	Y	A	P	Y
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1984-85	81.18	84.52	1041	45.49	61.02	1341	126.67	145.54	1149
1985-86	81.80	85.25	1042	46.22	65.19	1410	128.02	150.44	1175
1986-87	81.46	80.20	985	45.74	63.22	1382	127.20	143.42	1128
1987-88	74.89	74.56	996	44.80	65.79	1469	119.69	140.35	1173
1988-89	82.03	95.64	1166	45.64	74.28	1628	127.67	169.92	1331
1989-90	81.40	100.99	1241	45.37	70.05	1544	126.77	171.04	1349
1990-91	80.78	99.44	1231	47.06	76.95	1635	127.84	176.39	1380
1991-92	78.02	91.59	1174	43.85	76.79	1751	121.87	168.38	1382
1992-93	77.92	101.47	1302	45.23	78.01	1725	123.15	179.48	1457
1993-94	75.81	100.40	1324	46.94	83.86	1787	122.75	184.26	1501
1994-95	75.19	101.09	1344	48.67	90.41	1858	123.86	191.50	1546
1995-96	73.60	95.12	1292	47.42	85.30	1799	121.02	180.42	1491
1996-97	75.34	103.82	1379	48.24	95.52	1980	123.58	199.34	1613
1997-98	74.37	101.58	1370	49.70	90.68	1825	124.07	192.26	1550
1998-99	73.99	102.91	1391	51.18	100.69	1967	125.17	203.60	1627
1999-00	73.24	105.51	1441	49.87	104.29	2091	123.11	209.80	1704
2000-01	75.22	102.09	1357	45.83	94.73	2067	121.05	196.81	1626
2001-02	74.23	112.07	1510	48.55	100.78	2076	122.78	212.85	1734
2002-03	68.56	87.22	1272	45.30	87.55	1933	113.86	174.77	1535
2003-04	75.44	117.00	1551	48.01	96.19	2004	123.45	213.19	1727

(Contd.)

Year	Kharif			Rabi			Total		
	A (2)	P (3)	Y (4)	A (5)	P (6)	Y (7)	A (8)	P (9)	Y (10)
2004-05	72.26	103.31	1430	47.82	95.05	2004	120.08	198.36	1652
2005-06	72.72	109.87	1511	48.88	98.73	2020	121.60	208.60	1715
2006-07	72.67	110.58	1522	51.04	106.71	2091	123.71	217.28	1756
2007-08	73.58	121.00	1644	50.49	109.77	2174	124.07	230.78	1860
2008-09	71.45	118.18	1654	51.39	116.28	2263	122.85	234.47	1909
2009-10	69.51	104.00	1496	51.83	114.11	2202	121.34	218.11	1798
2010-11	72.42	120.90	1669	54.25	123.60	2278	126.67	244.50	1930
2011-12	72.08	131.27	1821	52.67	128.01	2430	124.75	259.29	2078
2012-13	67.69	128.07	1892	53.09	129.06	2431	120.78	257.13	2129
2013-14	69.05	128.69	1864	55.99	136.35	2435	125.04	265.04	2120
2014-15	68.77	128.06	1862	55.53	123.96	2232	124.30	252.02	2028
2015-16	69.21	125.09	1807	54.01	126.47	2342	123.22	251.57	2042
2016-17*	72.42	138.52	1913	55.61	137.16	2466	128.03	275.68	2153

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates

Table 4.5(a): Foodgrains: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
				Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	97.32	50.82	522	18.10
1951-52	96.96	51.99	536	18.41
1952-53	102.09	59.20	580	18.09
1953-54	109.07	69.82	640	18.13
1954-55	107.86	68.03	631	18.42
1955-56	110.56	66.85	605	18.53
1956-57	111.14	69.86	629	18.15
1957-58	109.48	64.31	587	19.28
1958-59	114.76	77.14	672	18.69
1959-60	115.82	76.67	662	18.77
1960-61	115.58	82.02	710	19.09
1961-62	117.23	82.71	706	19.14
1962-63	117.84	80.15	680	19.80
1963-64	117.42	80.64	687	19.83
1964-65	118.11	89.36	757	20.22
1965-66	115.10	72.35	629	20.92
1966-67	115.30	74.23	644	22.21
1967-68	121.42	95.05	783	21.58
1968-69	120.43	94.01	781	23.55
1969-70	123.57	99.50	805	23.70
1970-71	124.32	108.42	872	24.11
1971-72	122.62	105.17	858	24.49
1972-73	119.28	97.03	813	25.35
1973-74	126.54	104.67	827	24.47
1974-75	121.08	99.83	824	26.52
1975-76	128.18	121.03	944	26.52
1976-77	124.36	111.17	894	27.36
1977-78	127.52	126.41	991	27.72
1978-79	129.01	131.90	1022	28.79
1979-80	125.21	109.70	876	30.35
1980-81	126.67	129.59	1023	29.66
1981-82	129.14	133.30	1032	29.59
1982-83	125.10	129.52	1035	30.83

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1983-84	131.16	152.37	1162	30.93
1984-85	126.67	145.54	1149	31.88
1985-86	128.02	150.44	1175	31.38
1986-87	127.20	143.42	1128	32.64
1987-88	119.69	140.35	1173	33.48
1988-89	127.67	169.92	1331	34.42
1989-90	126.77	171.04	1349	34.99
1990-91	127.84	176.39	1380	35.07
1991-92	121.87	168.38	1382	37.37
1992-93	123.15	179.48	1457	37.42
1993-94	122.75	184.26	1501	38.66
1994-95	123.86	191.50	1546	39.61
1995-96	121.01	180.42	1491	40.13
1996-97	123.58	199.34	1614	41.71
1997-98	124.07	192.26	1552	41.71
1998-99	125.17	203.61	1627	43.31
1999-00	123.10	209.80	1704	44.63
2000-01	121.05	196.81	1626	43.70
2001-02	122.78	212.85	1734	43.58
2002-03	113.86	174.77	1535	43.42
2003-04	123.45	213.19	1727	42.60
2004-05	120.08	198.36	1652	44.59
2005-06	121.60	208.60	1715	45.70
2006-07	123.71	217.28	1756	47.18
2007-08	124.07	230.78	1860	47.28
2008-09	122.83	234.47	1909	48.47
2009-10	121.33	218.11	1798	47.84
2010-11	126.67	244.49	1930	48.06
2011-12	124.75	259.29	2078	49.82
2012-13	120.78	257.13	2129	51.29
2013-14	125.04	265.04	2120	51.93
2014-15	124.30	252.02	2028	53.05
2015-16	123.22	251.57	2042	-
2016-17*	128.03	275.68	2153	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.5 (b): Foodgrains: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation
 Area - Million Hectares
 Production - Million Tonnes
 Yield - Kg/Hectare

State	2016-17#				2015-16				Area Under Irrigation (%) (2014-15*)		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	19.92	15.56	49.14	17.83	2467	19.36	15.71	42.55	16.91	2198	80.4
Madhya Pradesh	17.03	13.30	32.98	11.96	1937	15.66	12.71	30.39	12.08	1941	59.7
Punjab	6.42	5.02	27.99	10.15	4360	6.65	5.40	28.40	11.29	4269	99.0
Rajasthan	14.11	11.02	19.28	7.00	1367	12.98	10.53	18.04	7.17	1390	35.9
Haryana	4.59	3.59	17.16	6.22	3735	4.48	3.64	16.36	6.50	3648	92.7
West Bengal	5.98	4.67	17.06	6.19	2853	6.38	5.18	18.01	7.16	2823	48.4
Maharashtra	12.16	9.50	15.79	5.73	1298	11.21	9.10	8.75	3.48	781	18.0
Bihar	6.61	5.17	15.58	5.65	2355	6.57	5.33	14.51	5.77	2208	69.8
Andhra Pradesh	3.97	3.10	10.37	3.76	2610	4.14	3.36	10.63	4.23	2571	66.5
Karnataka	7.29	5.69	9.64	3.50	1323	7.33	5.95	9.92	3.94	1354	27.3
Chhattisgarh	5.05	3.95	9.23	3.35	1827	4.99	4.05	6.65	2.65	1334	31.6
Odisha	4.80	3.75	9.06	3.29	1887	4.82	3.91	6.41	2.55	1330	29.0
Telangana	3.29	2.57	8.37	3.03	2545	2.18	1.77	5.13	2.04	2353	64.3
Gujarat	3.80	2.97	7.42	2.69	1953	3.14	2.55	6.28	2.50	2000	45.4
Tamil Nadu	2.99	2.33	6.22	2.26	2084	3.75	3.04	11.48	4.56	3063	56.8
Assam	2.67	2.08	5.47	1.98	2049	2.68	2.18	5.36	2.13	1997	10.4
Jharkhand	2.89	2.25	5.37	1.95	1860	2.65	2.15	4.09	1.63	1546	8.8

(Contd.)

State	2016-17#				2015-16				Area Under Irrigation (%) (2014-15*)		
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production		% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttarakhand	0.88	0.69	1.87	0.68	2131	0.88	0.71	1.75	0.69	1989	44.8
Others	3.59	2.81	7.69	2.79	@	3.38	2.74	6.86	2.73	@	-
All India	128.03	100.00	275.68	100.00	2153	123.22	100.00	251.57	100.00	2042	53.1

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

4.6(a): Rice: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1950-51	30.81	20.58	668	31.70
1951-52	29.83	21.30	714	31.71
1952-53	29.97	22.90	764	32.30
1953-54	31.29	28.21	902	33.59
1954-55	30.77	25.22	820	34.41
1955-56	31.52	27.56	874	34.88
1956-57	32.28	29.04	900	35.45
1957-58	32.30	25.53	790	36.38
1958-59	33.17	30.85	930	36.29
1959-60	33.82	31.68	937	35.84
1960-61	34.13	34.58	1013	36.77
1961-62	34.69	35.66	1028	37.47
1962-63	35.69	33.21	931	37.39
1963-64	35.81	37.00	1033	37.08
1964-65	36.46	39.31	1078	37.28
1965-66	35.47	30.59	862	36.53
1966-67	35.25	30.44	864	37.95
1967-68	36.44	37.61	1032	38.56
1968-69	36.97	39.76	1075	38.42
1969-70	37.68	40.43	1073	38.23
1970-71	37.59	42.22	1123	38.36
1971-72	37.76	43.07	1141	37.21
1972-73	36.69	39.24	1070	39.08
1973-74	38.29	44.05	1150	38.38
1974-75	37.89	39.58	1045	38.81
1975-76	39.48	48.74	1235	38.66
1976-77	38.51	41.92	1089	38.39
1977-78	40.28	52.67	1308	40.21
1978-79	40.48	53.77	1328	41.64
1979-80	39.42	42.33	1074	42.83
1980-81	40.15	53.63	1336	40.67
1981-82	40.71	53.25	1308	41.53
1982-83	38.26	47.12	1232	41.96

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation(%)
(1)	(2)	(3)	(4)	(5)
1983-84	41.24	60.10	1457	42.70
1984-85	41.16	58.34	1417	43.72
1985-86	41.14	63.83	1552	42.86
1986-87	41.17	60.56	1471	44.09
1987-88	38.81	56.86	1465	43.61
1988-89	41.73	70.49	1689	45.79
1989-90	42.17	73.57	1745	46.09
1990-91	42.69	74.29	1740	45.55
1991-92	42.65	74.68	1751	47.30
1992-93	41.78	72.86	1744	48.02
1993-94	42.54	80.30	1888	48.60
1994-95	42.81	81.81	1911	49.87
1995-96	42.84	76.98	1797	49.91
1996-97	43.43	81.73	1882	53.46
1997-98	43.45	82.54	1900	53.22
1998-99	44.80	86.08	1921	55.08
1999-00	45.16	89.68	1986	55.09
2000-01	44.71	84.98	1901	54.37
2001-02	44.90	93.34	2079	54.56
2002-03	41.18	71.82	1744	51.32
2003-04	42.59	88.53	2079	52.89
2004-05	41.91	83.13	1984	55.23
2005-06	43.66	91.79	2102	56.83
2006-07	43.81	93.36	2131	58.02
2007-08	43.91	96.69	2202	57.73
2008-09	45.54	99.18	2178	58.80
2009-10	41.92	89.09	2125	56.88
2010-11	42.86	95.98	2239	58.83
2011-12	44.01	105.30	2393	58.57
2012-13	42.75	105.23	2461	58.48
2013-14	44.14	106.65	2416	59.65
2014-15	44.11	105.48	2391	60.09
2015-16	43.50	104.41	2400	-
2016-17*	43.19	110.15	2550	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.6 (b): Rice, Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#				2015-16				Area Under Irrigation (%) 2014-15*		
	Area	% to All - India	Production	% to All - India	Area	% to All - India	Production	% to All - India			
	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)			
(1)				(6)				(11)	(12)		
West Bengal	5.15	11.91	15.09	13.70	2933	5.52	12.70	15.95	15.28	2888	46.9
Uttar Pradesh	5.65	13.07	12.95	11.76	2295	5.86	13.48	12.50	11.97	2133	86.7
Punjab	2.76	6.39	11.03	10.02	3998	2.98	6.84	11.82	11.32	3974	99.7
Odisha	3.88	8.98	8.38	7.61	2162	3.94	9.06	5.88	5.63	1491	33.3
Chattisgarh	3.83	8.87	8.05	7.31	2101	3.82	8.77	5.79	5.54	1517	35.7
Bihar	3.29	7.63	7.48	6.79	2270	3.23	7.43	6.80	6.52	2104	65.0
Andhra Pradesh	2.11	4.87	7.45	6.76	3539	2.16	4.97	7.49	7.17	3465	97.1
Assam	2.45	5.67	5.23	4.75	2134	2.49	5.71	5.13	4.91	2062	11.0
Telangana	1.68	3.89	5.17	4.70	3075	1.05	2.40	3.05	2.92	2913	98.1
Haryana	1.39	3.21	4.45	4.04	3213	1.35	3.11	4.15	3.97	3061	99.9
Madhya Pradesh	2.29	5.30	4.23	3.84	1847	2.02	4.65	3.55	3.40	1752	34.2
Tamil Nadu	1.44	3.34	4.04	3.67	2796	2.00	4.60	7.52	7.20	3758	94.4
Jharkhand	1.59	3.68	3.56	3.23	2238	1.59	3.65	2.88	2.76	1814	5.0
Maharashtra	1.63	3.76	3.35	3.04	2059	1.50	3.46	2.59	2.48	1725	26.1
Karnataka	1.01	2.33	2.54	2.30	2522	1.11	2.55	3.02	2.89	2722	76.0
Gujarat	0.84	1.94	1.93	1.75	2306	0.77	1.77	1.70	1.63	2205	61.5
Uttarakhand	0.26	0.60	0.63	0.57	2418	0.26	0.61	0.64	0.61	2420	70.0
Others	1.97	4.55	4.59	4.17	@	1.84	4.23	3.96	3.79	@	-
All India	43.19	100.00	110.15	100.00	2550	43.50	100.00	104.41	100.00	2400	60.1

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

Table 4.7(a): Wheat: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	9.75	6.46	663	33.99
1951-52	9.47	6.18	653	35.76
1952-53	9.83	7.50	763	37.15
1953-54	10.68	8.02	750	36.16
1954-55	11.26	9.04	803	35.00
1955-56	12.37	8.76	708	32.67
1956-57	13.52	9.40	695	29.37
1957-58	11.73	7.99	682	33.32
1958-59	12.62	9.96	789	31.83
1959-60	13.38	10.32	772	31.84
1960-61	12.93	11.00	851	32.74
1961-62	13.57	12.07	890	31.89
1962-63	13.59	10.78	793	33.80
1963-64	13.50	9.85	730	34.94
1964-65	13.42	12.26	913	36.76
1965-66	12.57	10.40	827	43.07
1966-67	12.84	11.39	887	47.97
1967-68	14.99	16.54	1103	43.35
1968-69	15.96	18.65	1169	49.85
1969-70	16.63	20.09	1208	51.14
1970-71	18.24	23.83	1307	54.25
1971-72	19.14	26.41	1380	54.49
1972-73	19.46	24.74	1271	57.62
1973-74	18.58	21.78	1172	57.70
1974-75	18.01	24.10	1338	61.77
1975-76	20.45	28.84	1410	61.76
1976-77	20.92	29.01	1387	65.09
1977-78	21.46	31.75	1480	64.60
1978-79	22.64	35.51	1568	65.96
1979-80	22.17	31.83	1436	68.32
1980-81	22.28	36.31	1630	69.98
1981-82	22.14	37.45	1691	70.68
1982-83	23.57	42.79	1816	72.53
1983-84	24.67	45.48	1843	73.00
1984-85	23.56	44.07	1870	74.47
1985-86	23.00	47.05	2046	74.61
1986-87	23.13	44.32	1916	76.34

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	23.06	46.17	2002	76.84
1988-89	24.11	54.11	2244	79.25
1989-90	23.50	49.85	2121	80.27
1990-91	24.17	55.14	2281	81.14
1991-92	23.26	55.69	2394	83.68
1992-93	24.59	57.21	2327	84.24
1993-94	25.15	59.84	2380	84.77
1994-95	25.70	65.77	2559	85.12
1995-96	25.01	62.10	2483	85.80
1996-97	25.89	69.35	2679	86.86
1997-98	26.70	66.35	2485	86.33
1998-99	27.52	71.29	2590	86.60
1999-00	27.49	76.37	2778	87.16
2000-01	25.73	69.68	2708	88.37
2001-02	26.34	72.77	2762	88.60
2002-03	25.20	65.76	2610	88.80
2003-04	26.59	72.16	2713	89.56
2004-05	26.38	68.64	2602	89.85
2005-06	26.48	69.35	2619	90.55
2006-07	27.99	75.81	2708	90.85
2007-08	28.04	78.57	2802	91.32
2008-09	27.75	80.68	2907	91.69
2009-10	28.46	80.80	2839	91.76
2010-11	29.07	86.87	2988	92.18
2011-12	29.86	94.88	3177	93.05
2012-13	30.00	93.51	3117	93.45
2013-14	30.47	95.85	3146	93.58
2014-15	31.47	86.53	2750	94.19
2015-16	30.42	92.29	3034	-
2016-17*	30.60	98.38	3216	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

4.7 (b): Wheat: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#						2015-16						Area			
	Area		Production		% to All-India		Yield		Area		Production		% to All-India		Yield	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	2014-15*	(12)			
Uttar Pradesh	9.66	31.56	30.06	30.55	3113	9.65	31.71	25.43	27.55	2636	98.8	98.8				
Madhya Pradesh	6.03	19.70	17.94	18.23	2976	5.91	19.43	17.69	19.17	2993	93.4	93.4				
Punjab	3.50	11.42	16.44	16.71	4704	3.51	11.53	16.08	17.42	4583	99.1	99.1				
Haryana	2.55	8.34	11.52	11.71	4514	2.58	8.47	11.35	12.30	4407	99.5	99.5				
Rajasthan	2.83	9.26	9.00	9.15	3175	3.11	10.22	9.87	10.70	3175	99.6	99.6				
Bihar	2.10	6.85	5.09	5.17	2427	2.11	6.94	4.74	5.13	2244	94.9	94.9				
Gujarat	1.00	3.26	2.74	2.79	2751	0.85	2.80	2.48	2.69	2919	90.8	90.8				
Maharashtra	1.07	3.51	1.67	1.70	1558	0.91	2.99	0.98	1.06	1077	73.9	73.9				
West Bengal	0.33	1.08	0.93	0.95	2818	0.34	1.12	0.96	1.04	2824	98.7	98.7				
Uttarakhand	0.34	1.12	0.88	0.89	2564	0.34	1.12	0.77	0.84	2258	59.5	59.5				
Himachal Pradesh	0.35	1.13	0.70	0.72	2033	0.34	1.12	0.67	0.72	1958	21.8	21.8				
Jammu & Kashmir	0.29	0.96	0.47	0.48	1615	0.28	0.91	0.54	0.59	1947	28.5	28.5				
Jharkhand	0.21	0.69	0.43	0.44	2027	0.16	0.51	0.29	0.31	1835	90.9	90.9				
Karnataka	0.17	0.54	0.17	0.17	1018	0.17	0.57	0.16	0.17	897	60.9	60.9				
Chhattisgarh	0.11	0.37	0.16	0.16	1391	0.11	0.11	0.14	0.15	1270	75.7	75.7				
Assam	0.03	0.08	0.03	0.03	1192	0.02	0.07	0.03	0.04	1633	10.9	10.9				
Telangana	0.01	0.02	0.01	0.01	1600	0.01	0.02	0.01	0.01	1700	99.2	99.2				
Others	0.03	0.11	0.14	0.15	@	0.03	0.10	0.11	0.12	@						
All India	30.60	100.00	98.38	100.00	3216	30.42	99.75	92.29	100.00	3034	94.2	94.2				

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates.

Table 4.8(a): Coarse Cereals: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
 Production - Million Tonnes
 Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	37.67	15.38	408	7.91
1951-52	38.88	16.09	414	8.66
1952-53	42.45	19.61	462	8.15
1953-54	45.37	22.97	506	7.80
1954-55	43.92	22.82	520	8.10
1955-56	43.45	19.49	449	7.97
1956-57	42.02	19.87	473	7.56
1957-58	42.91	21.23	495	7.96
1958-59	44.66	23.18	519	7.48
1959-60	43.79	22.87	522	7.53
1960-61	44.96	23.74	528	7.59
1961-62	44.73	23.22	519	7.09
1962-63	44.29	24.63	556	7.34
1963-64	43.93	23.72	540	7.27
1964-65	44.35	25.37	514	7.27
1965-66	44.34	21.42	483	8.09
1966-67	45.09	24.05	533	8.53
1967-68	47.34	28.80	608	7.99
1968-69	46.24	25.18	545	9.57
1969-70	47.24	27.29	578	9.05
1970-71	45.95	30.55	665	8.31
1971-72	43.57	24.60	564	8.35
1972-73	42.21	23.14	548	8.65
1973-74	46.24	28.83	623	8.28
1974-75	43.15	26.13	606	10.85
1975-76	43.80	30.41	694	9.91
1976-77	41.94	28.88	689	9.72
1977-78	42.28	30.02	710	8.89
1978-79	42.23	30.44	721	8.49
1979-80	41.36	26.97	652	9.92
1980-81	41.78	29.02	695	9.19
1981-82	42.45	31.09	733	8.99
1982-83	40.43	27.75	685	8.97
1983-84	41.71	33.90	813	7.79
1984-85	39.21	31.17	795	8.14
1985-86	39.47	26.20	664	8.42
1986-87	39.74	26.83	675	9.12

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	36.55	26.36	721	9.83
1988-89	38.68	31.47	814	9.23
1989-90	37.69	34.76	922	9.76
1990-91	36.32	32.70	900	9.03
1991-92	33.42	25.99	778	10.72
1992-93	34.42	36.59	1063	10.05
1993-94	32.82	30.82	939	10.45
1994-95	32.17	29.88	929	10.27
1995-96	30.88	29.03	940	11.00
1996-97	31.81	34.11	1072	10.36
1997-98	31.05	30.40	986	11.05
1998-99	29.34	31.34	1068	11.57
1999-00	29.34	30.33	1034	12.32
2000-01	30.26	31.08	1027	12.27
2001-02	29.52	33.38	1131	11.15
2002-03	26.99	26.07	966	12.65
2003-04	30.80	37.60	1221	10.83
2004-05	29.03	33.46	1153	12.48
2005-06	29.06	34.07	1172	13.37
2006-07	28.71	33.92	1182	13.66
2007-08	28.48	40.75	1431	14.78
2008-09	27.45	40.04	1459	15.28
2009-10	27.68	33.55	1212	14.56
2010-11	28.34	43.40	1531	14.44
2011-12	26.42	42.01	1590	15.71
2012-13	24.76	40.04	1617	16.63
2013-14	25.22	43.29	1717	17.24
2014-15	25.17	42.86	1703	17.35
2015-16	24.39	38.52	1579	-
2016-17*	24.77	44.19	1784	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.8 (b): Coarse Cereals : Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation
 Area - Million Hectares
 Production - Million Tonnes
 Yield - Kg/Hectare

State	2016-17#						2015-16						Area Under Irrigation(%) 2014-15*
	Area		Production		% to All - India		Area		Production		% to All - India		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)		
Maharashtra	4.87	19.64	6.96	15.75	1431	5.25	21.54	3.64	9.44	692	9.1		
Rajasthan	5.96	24.05	6.78	15.34	1138	5.82	23.86	5.81	15.08	998	8.5		
Karnataka	3.16	12.75	5.22	11.81	1653	3.22	13.21	5.61	14.56	1740	18.8		
Madhya Pradesh	2.05	8.28	4.57	10.34	2228	1.85	7.58	3.85	9.99	2083	6.0		
Uttar Pradesh	2.10	8.46	3.95	8.93	1883	1.97	8.06	3.46	8.98	1760	28.8		
Telangana	0.91	3.67	2.70	6.11	2967	0.66	2.69	1.83	4.76	2791	33.9		
Bihar	0.73	2.93	2.58	5.83	3548	0.73	2.99	2.55	6.62	3491	63.0		
Andhra Pradesh	0.45	1.83	1.95	4.40	4296	0.53	2.17	1.92	4.97	3643	55.0		
Gujarat	1.02	4.13	1.93	4.37	1886	0.93	3.81	1.55	4.02	1661	18.9		
Tamil Nadu	0.73	2.94	1.75	3.95	2400	0.87	3.56	3.41	8.84	3929	27.9		
Haryana	0.57	2.30	1.11	2.50	1940	0.46	1.88	0.80	2.07	1738	49.4		
Himachal Pradesh	0.32	1.30	0.83	1.87	2568	0.32	1.31	0.78	2.02	2431	10.9		
West Bengal	0.18	0.71	0.72	1.64	4088	0.17	0.70	0.73	1.90	4320	45.4		
Jharkhand	0.32	1.29	0.61	1.38	1907	0.31	1.25	0.40	1.03	1294	3.4		
Jammu & Kashmir	0.33	1.35	0.51	1.15	1520	0.32	1.29	0.54	1.39	1697	12.0		

(Contd.)

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	Area (2)	% to All - India (3)	Production (4)	% to All - India (5)	Yield (6)	Area (7)	% to All - India (8)	Production (9)		% to All - India (10)	Yield (11)
Punjab	0.13	0.51	0.48	1.09	3807	0.12	0.51	0.46	1.19	3688	80.7
Uttarakhand	0.21	0.86	0.31	0.70	1444	0.21	0.85	0.28	0.73	1356	0.4
Chhattisgarh	0.22	0.90	0.29	0.66	1317	0.22	0.92	0.22	0.56	963	4.9
Odisha	0.19	0.76	0.28	0.63	1478	0.14	0.55	0.16	0.41	1165	1.5
Others	0.33	1.34	0.69	1.56	@	0.31	1.26	0.56	1.44	@	-
All India	24.77	100.00	44.19	100.00	1784	24.39	100.00	38.52	100.00	1579	17.4

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

4.9(a): Jowar: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	15.57	5.50	353	2.98
1951-52	15.94	6.08	381	3.46
1952-53	17.54	7.36	420	3.06
1953-54	17.76	8.08	455	3.09
1954-55	17.46	9.20	527	3.29
1955-56	17.36	6.73	387	3.58
1956-57	16.24	7.33	451	3.40
1957-58	17.31	8.64	499	3.53
1958-59	17.96	9.03	503	3.46
1959-60	17.71	8.58	484	3.61
1960-61	18.41	9.81	533	3.55
1961-62	18.25	8.03	440	3.69
1962-63	18.41	9.75	529	3.71
1963-64	18.38	9.20	501	3.92
1964-65	18.06	9.68	536	3.77
1965-66	17.68	7.58	429	4.05
1966-67	18.05	9.22	511	3.95
1967-68	18.42	10.05	545	3.94
1968-69	18.73	9.80	523	4.45
1969-70	18.61	9.72	522	4.06
1970-71	17.37	8.11	466	3.64
1971-72	16.78	7.72	460	4.44
1972-73	15.51	6.97	449	3.26
1973-74	16.72	9.10	544	3.97
1974-75	16.19	10.41	643	4.61
1975-76	16.09	9.50	591	4.89
1976-77	15.77	10.52	667	5.06
1977-78	16.32	12.06	739	4.89
1978-79	16.15	11.44	708	4.80
1979-80	16.67	11.65	699	4.89
1980-81	15.81	10.43	660	4.68
1981-82	16.60	12.06	727	4.63
1982-83	16.38	10.75	657	4.27
1983-84	16.43	11.92	725	4.14
1984-85	15.94	11.40	715	4.35
1985-86	16.10	10.20	633	4.50
1986-87	15.95	9.19	576	4.94

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	16.00	12.20	762	4.93
1988-89	14.60	10.17	697	5.75
1989-90	14.84	12.90	869	6.30
1990-91	14.36	11.68	814	5.62
1991-92	12.36	8.10	655	6.51
1992-93	13.04	12.81	982	6.13
1993-94	12.71	11.41	895	6.17
1994-95	11.51	8.97	779	6.62
1995-96	11.33	9.33	823	6.80
1996-97	11.43	10.94	957	6.95
1997-98	10.80	7.53	697	7.37
1998-99	9.79	8.42	859	8.08
1999-00	10.25	8.68	847	8.27
2000-01	9.86	7.53	764	8.33
2001-02	9.80	7.56	771	7.40
2002-03	9.30	7.01	754	7.85
2003-04	9.33	6.68	716	7.59
2004-05	9.09	7.24	797	8.77
2005-06	8.67	7.63	880	8.48
2006-07	8.47	7.15	844	8.32
2007-08	7.76	7.93	1021	8.91
2008-09	7.53	7.25	962	9.25
2009-10	7.79	6.70	860	8.79
2010-11	7.38	7.00	949	8.70
2011-12	6.25	5.98	957	9.68
2012-13	6.21	5.28	850	9.65
2013-14	5.79	5.54	956	9.58
2014-15	6.16	5.45	884	9.90
2015-16	6.08	4.24	697	-
2016-17*	5.14	4.57	889	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.9 (b): Jowar: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#					2015-16					Area Under Irrigation(%) 2014-15*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Area	Yield
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(12)
Maharashtra	2.59	50.25	2.16	47.29	837	3.22	52.95	1.35	31.91	420	9.5	9.5
Karnataka	0.95	18.39	0.84	18.39	889	1.10	18.17	0.96	22.53	865	10.4	10.4
Madhya Pradesh	0.22	4.28	0.36	7.89	1641	0.21	3.37	0.40	9.44	1951	0.8	0.8
Rajasthan	0.58	11.26	0.35	7.64	603	0.63	10.39	0.34	8.12	545	0.1	0.1
Tamil Nadu	0.26	5.09	0.22	4.87	851	0.34	5.58	0.47	11.04	1380	13.8	13.8
Uttar Pradesh	0.18	3.56	0.18	4.00	1000	0.16	2.55	0.11	2.48	677	3.5	3.5
Andhra Pradesh	0.10	1.89	0.18	3.85	1814	0.17	2.86	0.36	8.42	2052	30.4	30.4
Gujarat	0.10	2.00	0.15	3.17	1408	0.10	1.69	0.14	3.26	1340	19.8	19.8
Telangana	0.09	1.75	0.09	1.86	944	0.08	1.25	0.08	1.79	1000	16.1	16.1
Haryana	0.06	1.21	0.03	0.73	532	0.05	0.87	0.03	0.66	528	80.0	80.0
Others	0.02	0.34	0.01	0.31	@	0.02	0.31	0.01	0.34	@		
All India	5.14	100.00	4.57	100.00	889	6.08	100.00	4.24	100.00	697	9.9	9.9

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

4.10(a): Bajra: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	9.02	2.60	288	3.45
1951-52	9.52	2.35	246	3.82
1952-53	10.77	3.19	296	3.33
1953-54	12.20	4.55	373	3.11
1954-55	11.37	3.52	310	3.64
1955-56	11.34	3.43	302	3.60
1956-57	11.25	2.87	255	3.06
1957-58	11.17	3.62	324	2.94
1958-59	11.43	3.87	338	3.02
1959-60	10.70	3.49	327	2.76
1960-61	11.47	3.28	286	2.79
1961-62	11.28	3.65	323	2.59
1962-63	10.96	3.96	361	2.68
1963-64	11.10	3.88	349	2.29
1964-65	11.83	4.52	382	2.32
1965-66	11.97	3.75	314	2.76
1966-67	12.24	4.47	365	3.12
1967-68	12.81	5.19	405	2.97
1968-69	12.05	3.80	315	4.09
1969-70	12.49	5.33	426	4.20
1970-71	12.91	8.03	622	3.98
1971-72	11.77	5.32	452	3.65
1972-73	11.82	3.93	333	4.55
1973-74	13.93	7.52	540	4.19
1974-75	11.29	3.27	290	5.54
1975-76	11.57	5.74	496	5.08
1976-77	10.75	5.85	544	4.89
1977-78	11.10	4.73	426	4.43
1978-79	11.39	5.57	489	4.37
1979-80	10.58	3.95	373	5.97
1980-81	11.66	5.34	458	5.53
1981-82	11.78	5.54	470	5.95
1982-83	10.94	5.13	469	5.96
1983-84	11.83	7.72	653	4.84
1984-85	10.62	6.05	569	5.15
1985-86	10.65	3.66	344	5.10
1986-87	11.27	4.51	401	5.98

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	8.71	3.30	378	8.37
1988-89	12.04	7.78	646	5.26
1989-90	10.90	6.65	610	6.28
1990-91	10.48	6.89	658	5.10
1991-92	10.03	4.67	465	6.50
1992-93	10.62	8.88	836	5.80
1993-94	9.55	4.97	521	6.58
1994-95	10.22	7.16	700	5.50
1995-96	9.32	5.38	577	6.23
1996-97	9.98	7.87	788	5.44
1997-98	9.89	7.64	773	5.97
1998-99	9.30	6.96	748	6.94
1999-00	8.90	5.78	650	8.11
2000-01	9.83	6.76	688	7.81
2001-02	9.53	8.28	869	6.60
2002-03	7.74	4.72	610	9.62
2003-04	10.61	12.11	1141	6.30
2004-05	9.23	7.93	859	8.16
2005-06	9.58	7.68	802	9.13
2006-07	9.51	8.42	886	9.56
2007-08	9.57	9.97	1042	10.25
2008-09	8.75	8.89	1015	9.28
2009-10	8.90	6.51	731	9.18
2010-11	9.61	10.37	1079	8.02
2011-12	8.78	10.28	1171	8.12
2012-13	7.30	8.74	1198	9.12
2013-14	7.81	9.25	1184	9.05
2014-15	7.32	9.18	1255	9.52
2015-16	7.13	8.07	1132	-
2016-17*	7.47	9.80	1312	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.10 (b): Bajra: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	Area - Million Hectares Production - Million Tonnes Yield - Kg/Hectare										
	2016-17#					2015-16					Area Under Irrigation(%) 2014-15*
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
Rajasthan	4.15	55.54	4.16	42.41	1001	4.04	56.74	3.53	43.73	872	3.7
Uttar Pradesh	0.91	12.14	1.74	17.72	1914	0.98	13.68	1.78	22.00	1821	12.4
Haryana	0.48	6.40	0.96	9.84	2017	0.37	5.19	0.65	8.08	1762	41.6
Gujarat	0.43	5.77	0.93	9.50	2160	0.39	5.51	0.79	9.76	2004	22.3
Maharashtra	0.85	11.31	0.84	8.60	998	0.80	11.24	0.33	4.13	416	5.0
Madhya Pradesh	0.28	3.75	0.68	6.95	2431	0.27	3.75	0.62	7.66	2315	0.1
Karnataka	0.24	3.23	0.25	2.59	1054	0.17	2.33	0.15	1.80	875	11.2
Tamil Nadu	0.05	0.73	0.12	1.24	2241	0.05	0.72	0.14	1.76	2747	15.6
Andhra Pradesh	0.04	0.56	0.07	0.75	1738	0.04	0.51	0.07	0.81	1806	31.3
Telangana	0.02	0.23	0.02	0.17	1000	0.01	0.08	0.01	0.06	833	81.3
Jammu & Kashmir	0.02	0.21	0.01	0.10	629	0.01	0.13	0.01	0.07	590	4.1
Others	0.01	0.14	0.01	0.13	@	0.01	0.13	0.01	0.14	@	-
All India	7.47	100.00	9.80	100.00	1312	7.13	100.00	8.07	100.00	1132	9.5

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

Table 4.11(a): Maize: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	3.16	1.73	547	11.35
1951-52	3.31	2.08	627	16.42
1952-53	3.61	2.87	796	14.03
1953-54	3.87	3.04	785	11.50
1954-55	3.75	2.98	794	14.59
1955-56	3.70	2.60	704	11.76
1956-57	3.76	3.08	819	13.12
1957-58	4.08	3.15	772	13.39
1958-59	4.27	3.46	812	10.47
1959-60	4.34	4.07	938	9.94
1960-61	4.41	4.08	926	12.63
1961-62	4.51	4.31	957	9.46
1962-63	4.64	4.61	992	11.45
1963-64	4.58	4.56	995	11.40
1964-65	4.62	4.66	1010	12.09
1965-66	4.80	4.82	1005	16.12
1966-67	5.07	4.89	964	15.65
1967-68	5.58	6.27	1123	11.89
1968-69	5.72	5.70	997	19.53
1969-70	5.86	5.67	968	18.23
1970-71	5.85	7.49	1279	15.86
1971-72	5.67	5.10	900	14.32
1972-73	5.84	6.39	1094	18.77
1973-74	6.02	5.80	965	14.66
1974-75	5.86	5.56	948	20.98
1975-76	6.03	7.26	1203	16.15
1976-77	6.00	6.36	1060	17.66
1977-78	5.68	5.97	1051	16.32
1978-79	5.76	6.20	1076	16.34
1979-80	5.72	5.60	979	23.98
1980-81	6.01	6.96	1159	20.14
1981-82	5.94	6.90	1162	19.78
1982-83	5.72	6.55	1145	21.66
1983-84	5.86	7.92	1352	16.94
1984-85	5.80	8.44	1456	17.52
1985-86	5.80	6.64	1146	18.72
1986-87	5.92	7.59	1282	21.19

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	5.56	5.72	1029	21.22
1988-89	5.90	8.23	1395	20.95
1989-90	5.92	9.65	1632	20.75
1990-91	5.90	8.96	1518	19.72
1991-92	5.86	8.06	1376	22.47
1992-93	5.96	9.99	1676	21.46
1993-94	6.00	9.60	1602	22.44
1994-95	6.14	8.88	1570	20.59
1995-96	5.98	9.53	1595	22.63
1996-97	6.26	10.77	1720	21.15
1997-98	6.32	10.82	1711	20.82
1998-99	6.20	11.15	1797	21.65
1999-00	6.42	11.51	1792	22.31
2000-01	6.61	12.04	1822	21.79
2001-02	6.58	13.16	2000	20.54
2002-03	6.64	11.15	1681	20.07
2003-04	7.34	14.98	2041	19.28
2004-05	7.43	14.17	1907	21.06
2005-06	7.59	14.71	1938	22.67
2006-07	7.89	15.10	1912	22.25
2007-08	8.12	18.96	2335	24.31
2008-09	8.17	19.73	2414	25.06
2009-10	8.26	16.72	2024	24.21
2010-11	8.55	21.73	2542	24.54
2011-12	8.78	21.76	2478	25.67
2012-13	8.67	22.26	2566	25.89
2013-14	9.07	24.26	2676	27.15
2014-15	9.19	24.17	2632	26.63
2015-16	8.81	22.57	2563	-
2016-17*	9.86	26.26	2664	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.11 (b): Maize, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg/Hectare

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	1.25	12.72	3.80	14.46	3029	1.07	12.12	1.83	8.09	1712	12.7
Karnataka	1.35	13.73	3.26	12.42	2408	1.22	13.85	3.31	14.67	2713	34.4
Madhya Pradesh	1.28	13.02	3.17	12.06	2468	1.10	12.47	2.58	11.43	2350	3.5
Telangana	0.80	8.12	2.60	9.89	3241	0.57	6.51	1.75	7.76	3056	35.2
Bihar	0.70	7.11	2.55	9.69	3631	0.71	8.01	2.52	11.15	3571	64.3
Andhra Pradesh	0.25	2.55	1.64	6.26	6546	0.23	2.65	1.41	6.25	6056	76.2
Uttar Pradesh	0.83	8.39	1.56	5.95	1889	0.70	7.99	1.31	5.79	1855	45.3
Rajasthan	0.94	9.51	1.47	5.58	1564	0.87	9.91	1.16	5.16	1334	2.0
Tamil Nadu	0.32	3.25	1.25	4.76	3903	0.36	4.03	2.49	11.03	7010	48.8
Gujarat	0.45	4.56	0.80	3.05	1780	0.39	4.39	0.57	2.53	1478	12.5
Himachal Pradesh	0.29	2.98	0.78	2.99	2671	0.29	3.34	0.74	3.27	2507	10.5
West Bengal	0.16	1.64	0.71	2.69	4374	0.15	1.74	0.72	3.17	4654	43.4
Jharkhand	0.30	3.01	0.59	2.25	1992	0.29	3.28	0.38	1.71	1332	2.6
Jammu & Kashmir	0.30	3.03	0.49	1.86	1632	0.29	3.34	0.52	2.32	1782	9.4
Punjab	0.12	1.18	0.45	1.69	3836	0.12	1.31	0.42	1.88	3687	79.2
Others	0.51	5.21	1.16	4.41	@	0.45	5.06	0.85	3.79	@	-
All India	9.86	100.00	26.26	100.00	2664	8.81	100.00	22.57	100.00	2563	26.6

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates.

4.12(a): Total Pulses: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	19.09	8.41	441	9.4
1951-52	18.78	8.42	448	9.7
1952-53	19.84	9.19	463	9.8
1953-54	21.73	10.62	489	9.2
1954-55	21.91	10.95	500	8.8
1955-56	23.22	11.04	476	8.4
1956-57	23.32	11.55	495	7.3
1957-58	22.54	9.56	424	9.1
1958-59	24.31	13.15	541	8.4
1959-60	24.83	11.80	475	8.5
1960-61	23.56	12.70	539	8.0
1961-62	24.24	11.76	485	8.1
1962-63	24.27	11.53	475	8.9
1963-64	24.18	10.07	416	8.9
1964-65	23.88	12.42	520	9.2
1965-66	22.72	9.94	438	9.4
1966-67	22.12	8.35	377	10.9
1967-68	22.65	12.10	534	8.7
1968-69	21.26	10.42	490	9.8
1969-70	22.02	11.69	531	9.4
1970-71	22.54	11.82	524	8.8
1971-72	22.15	11.09	501	8.8
1972-73	20.92	9.91	474	8.1
1973-74	23.43	10.01	427	7.9
1974-75	22.03	10.02	455	8.1
1975-76	24.45	13.04	533	7.9
1976-77	22.98	11.36	494	7.5
1977-78	23.50	11.97	510	7.1
1978-79	23.66	12.18	515	7.9
1979-80	22.26	8.57	385	8.8
1980-81	22.46	10.63	473	9.0
1981-82	23.84	11.51	483	8.5
1982-83	22.83	11.86	519	8.2
1983-84	23.54	12.89	548	7.5
1984-85	22.74	11.96	526	7.9
1985-86	24.42	13.36	547	8.5
1986-87	23.16	11.71	506	9.6

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	21.27	10.96	515	9.4
1988-89	23.15	13.85	598	9.3
1989-90	23.41	12.86	549	10.0
1990-91	24.66	14.26	578	10.5
1991-92	22.54	12.02	533	10.7
1992-93	22.36	12.82	573	10.5
1993-94	22.25	13.30	598	11.3
1994-95	23.03	14.04	610	12.7
1995-96	22.28	12.31	552	12.9
1996-97	22.45	14.15	630	12.8
1997-98	22.87	12.97	567	11.2
1998-99	23.50	14.91	634	12.1
1999-00	21.12	13.42	635	13.0
2000-01	20.35	11.08	544	12.6
2001-02	22.01	13.37	607	13.3
2002-03	20.50	11.13	543	14.0
2003-04	23.46	14.91	635	13.7
2004-05	22.76	13.13	577	14.0
2005-06	22.39	13.38	598	14.5
2006-07	23.19	14.20	612	15.4
2007-08	23.63	14.76	625	15.9
2008-09	22.09	14.57	659	16.5
2009-10	23.28	14.66	630	16.2
2010-11	26.40	18.24	691	14.9
2011-12	24.46	17.09	699	16.1
2012-13	23.26	18.34	789	18.5
2013-14	25.21	19.25	764	19.7
2014-15	23.55	17.15	728	19.9
2015-16	24.91	16.35	656	-
2016-17*	29.46	22.95	779	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.12 (b): Total Pulses: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#					2015-16					Area Under Irrigation(%) 2014-15*	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		
(1)												(12)
Madhya Pradesh	6.66	22.62	6.25	27.23	938	5.88	23.58	5.30	32.43	902	42.8	42.8
Maharashtra	4.60	15.60	3.81	16.58	828	3.54	14.23	1.54	9.45	436	10.9	10.9
Rajasthan	5.12	17.37	3.06	13.32	598	3.87	15.52	1.99	12.17	515	20.7	20.7
Uttar Pradesh	2.52	8.57	2.19	9.52	866	1.88	7.55	1.16	7.12	619	27.4	27.4
Karnataka	2.96	10.03	1.72	7.47	580	2.82	11.33	1.14	6.97	403	8.6	8.6
Andhra Pradesh	1.41	4.80	0.97	4.23	687	1.45	5.82	1.23	7.52	848	2.0	2.0
Gujarat	0.94	3.20	0.82	3.56	868	0.58	2.34	0.54	3.33	931	13.1	13.1
Jharkhand	0.76	2.60	0.77	3.36	1009	0.60	2.39	0.53	3.22	886	3.9	3.9
Chhattisgarh	0.88	3.00	0.73	3.17	823	0.84	3.38	0.51	3.13	609	15.0	15.0
Telangana	0.69	2.34	0.49	2.11	703	0.47	1.89	0.24	1.47	508	5.1	5.1
Bihar	0.50	1.69	0.44	1.91	881	0.50	2.00	0.42	2.57	845	4.5	4.5
Tamil Nadu	0.81	2.77	0.44	1.91	539	0.88	3.53	0.55	3.39	631	10.9	10.9
Odisha	0.73	2.49	0.40	1.74	543	0.74	2.98	0.38	2.29	506	2.2	2.2
West Bengal	0.33	1.10	0.31	1.36	958	0.35	1.39	0.36	2.19	1039	15.0	15.0
Assam	0.16	0.54	0.12	0.52	748	0.14	0.57	0.11	0.66	757	1.7	1.7
Haryana	0.09	0.29	0.07	0.32	870	0.10	0.39	0.07	0.40	680	20.7	20.7
Others	0.30	1.01	0.38	1.68	@	0.28	1.11	0.27	1.68	@	-	-
All India	29.46	100.00	22.95	100.00	779	24.91	100.00	16.35	100.00	656	19.9	19.9

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates

Table 4.13 (a): Gram: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	7.57	3.65	482	12.48
1951-52	6.83	3.39	496	15.12
1952-53	7.26	4.21	580	14.60
1953-54	7.97	4.83	606	14.02
1954-55	9.25	5.62	608	12.76
1955-56	9.78	5.42	554	12.10
1956-57	9.67	6.23	644	10.84
1957-58	9.09	4.89	538	12.46
1958-59	10.08	7.02	697	12.02
1959-60	10.33	5.62	544	12.35
1960-61	9.28	6.25	674	11.94
1961-62	9.57	5.79	605	12.22
1962-63	9.19	5.36	583	13.72
1963-64	9.35	4.50	481	13.65
1964-65	8.87	5.78	651	15.84
1965-66	8.02	4.22	527	16.35
1966-67	8.00	3.62	453	18.78
1967-68	8.26	5.97	723	15.58
1968-69	7.11	4.31	607	18.83
1969-70	7.75	5.55	715	17.32
1970-71	7.84	5.20	663	15.63
1971-72	7.91	5.08	642	14.99
1972-73	6.97	4.54	651	15.65
1973-74	7.76	4.10	528	15.78
1974-75	7.04	4.02	570	17.55
1975-76	8.32	5.88	707	16.54
1976-77	7.97	5.42	680	15.20
1977-78	7.97	5.41	678	14.71
1978-79	7.71	5.74	745	15.63
1979-80	6.99	3.36	481	18.61
1980-81	6.58	4.33	657	20.57
1981-82	7.87	4.64	590	17.87
1982-83	7.40	5.29	715	15.63
1983-84	7.16	4.75	663	14.54
1984-85	6.91	4.56	661	14.85
1985-86	7.80	5.79	742	15.63
1986-87	6.98	4.53	649	19.43

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	5.77	3.63	629	19.23
1988-89	6.81	5.13	753	18.28
1989-90	6.47	4.22	652	20.97
1990-91	7.52	5.36	712	20.50
1991-92	5.58	4.12	739	24.23
1992-93	6.45	4.42	684	21.98
1993-94	6.36	4.98	783	24.03
1994-95	7.54	6.44	853	25.39
1995-96	7.12	4.98	700	26.01
1996-97	6.85	5.57	813	25.70
1997-98	7.56	6.13	811	21.98
1998-99	8.47	6.80	803	21.24
1999-00	6.15	5.12	833	27.66
2000-01	5.19	3.86	744	30.66
2001-02	6.42	5.47	853	30.71
2002-03	5.91	4.24	717	32.24
2003-04	7.05	5.72	811	30.44
2004-05	6.71	5.47	815	31.12
2005-06	6.93	5.60	808	31.42
2006-07	7.49	6.33	845	31.22
2007-08	7.54	5.75	762	34.21
2008-09	7.89	7.06	895	33.67
2009-10	8.17	7.48	915	32.40
2010-11	9.19	8.22	894	29.69
2011-12	8.30	7.70	928	33.54
2012-13	8.52	8.83	1036	36.46
2013-14	9.93	9.53	960	35.18
2014-15	8.25	7.33	889	38.60
2015-16	8.40	7.06	840	-
2016-17*	9.58	9.33	973	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.13 (b): Gram: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#				2015-16				Area		
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Under Irrigation(%) 2014-15*
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madhya Pradesh	3.22	33.62	3.54	38.01	1100	3.02	35.92	3.36	47.66	1115	63.3
Maharashtra	1.90	19.77	1.69	18.11	891	1.44	17.17	0.78	11.01	539	24.3
Rajasthan	1.55	16.15	1.39	14.92	899	0.94	11.22	0.84	11.91	892	47.7
Uttar Pradesh	0.56	5.86	0.63	6.71	1114	0.27	3.19	0.16	2.32	612	19.7
Karnataka	1.01	10.49	0.58	6.20	575	1.42	16.91	0.66	9.38	466	14.8
Andhra Pradesh	0.40	4.14	0.42	4.48	1053	0.47	5.61	0.50	7.08	1062	1.0
Chattisgarh	0.31	3.21	0.33	3.52	1069	0.30	3.61	0.22	3.10	722	41.2
Jharkhand	0.21	2.19	0.25	2.68	1174	0.16	1.90	0.16	2.27	995	4.7
Gujarat	0.16	1.71	0.18	1.96	1116	0.12	1.37	0.15	2.17	1330	43.8
Telangana	0.10	1.03	0.13	1.40	1323	0.07	0.83	0.05	0.71	714	5.1
Bihar	0.06	0.63	0.07	0.70	1091	0.06	0.71	0.06	0.83	986	3.6
Haryana	0.04	0.39	0.04	0.45	1127	0.04	0.50	0.03	0.37	619	10.2
West Bengal	0.03	0.31	0.04	0.38	1167	0.03	0.37	0.04	0.52	1192	18.0
Others	0.05	0.50	0.04	0.48	@	0.06	0.70	0.05	0.66	@	-
All India	9.58	100.00	9.33	100.00	973	8.40	100.00	7.06	100.00	840	38.6

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates.

Table 4.14(a): Tur (Arhar): All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	2.18	1.72	788	0.49
1951-52	2.45	1.83	748	0.52
1952-53	2.40	1.70	709	0.64
1953-54	2.40	1.86	775	0.61
1954-55	2.40	1.72	715	0.53
1955-56	2.29	1.86	814	0.43
1956-57	2.29	1.99	867	0.34
1957-58	2.36	1.48	625	0.51
1958-59	2.47	1.70	688	0.53
1959-60	2.43	1.70	700	0.53
1960-61	2.43	2.07	849	0.49
1961-62	2.45	1.37	559	0.49
1962-63	2.45	1.58	645	0.41
1963-64	2.52	1.38	549	0.40
1964-65	2.58	1.89	733	0.55
1965-66	2.56	1.73	678	0.39
1966-67	2.52	1.13	448	0.69
1967-68	2.67	1.74	653	0.45
1968-69	2.53	1.82	718	0.54
1969-70	2.67	1.84	690	0.34
1970-71	2.66	1.88	709	0.27
1971-72	2.35	1.68	718	0.30
1972-73	2.42	1.93	795	0.37
1973-74	2.65	1.41	532	0.38
1974-75	2.53	1.83	725	0.47
1975-76	2.67	2.10	786	0.44
1976-77	2.57	1.73	672	0.47
1977-78	2.63	1.93	735	0.49
1978-79	2.64	1.89	716	0.78
1979-80	2.73	1.76	643	1.84
1980-81	2.84	1.96	689	2.57
1981-82	3.00	2.24	745	2.07
1982-83	2.93	1.99	680	2.37
1983-84	3.22	2.58	801	3.03
1984-85	3.16	2.58	819	3.93
1985-86	3.18	2.44	767	4.25
1986-87	3.15	2.27	722	4.24

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	3.33	2.28	685	4.90
1988-89	3.49	2.72	779	4.72
1989-90	3.60	2.75	763	5.06
1990-91	3.59	2.41	673	5.50
1991-92	3.63	2.13	588	5.17
1992-93	3.58	2.33	652	4.89
1993-94	3.53	2.69	762	5.07
1994-95	3.31	2.14	644	5.51
1995-96	3.45	2.31	670	5.24
1996-97	3.51	2.66	756	5.67
1997-98	3.36	1.85	551	5.56
1998-99	3.44	2.71	787	4.31
1999-00	3.43	2.69	786	4.29
2000-01	3.63	2.25	618	4.35
2001-02	3.33	2.26	679	4.86
2002-03	3.36	2.19	651	4.80
2003-04	3.52	2.36	670	4.39
2004-05	3.52	2.35	667	4.47
2005-06	3.58	2.74	765	3.95
2006-07	3.56	2.31	650	4.56
2007-08	3.73	3.08	826	4.31
2008-09	3.38	2.27	671	4.65
2009-10	3.47	2.46	711	4.53
2010-11	4.37	2.86	654	4.02
2011-12	4.01	2.65	661	3.79
2012-13	3.89	3.02	776	3.93
2013-14	3.90	3.17	813	4.27
2014-15	3.85	2.81	729	4.01
2015-16	3.96	2.56	646	-
2016-17*	5.40	4.78	885	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.14 (b): Tur (Arhar): Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#				2015-16				Area - Million Hectares		
	Area		Production		Area		Production		Production - Million Tonnes	Yield - Kg/Hectare	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Maharashtra	1.53	28.39	1.46	30.52	951	1.24	31.21	0.56	21.74	450	1.6
Karnataka	1.21	22.48	0.91	19.02	749	0.66	16.58	0.24	9.45	368	5.5
Madhya Pradesh	0.69	12.78	0.78	16.36	1133	0.58	14.61	0.62	24.40	1079	1.4
Gujarat	0.35	6.43	0.40	8.39	1156	0.23	5.78	0.26	10.06	1125	7.5
Uttar Pradesh	0.34	6.26	0.36	7.60	1074	0.27	6.69	0.18	7.15	691	12.4
Telangana	0.39	7.15	0.21	4.48	555	0.25	6.26	0.10	4.06	419	0.3
Jharkhand	0.19	3.59	0.20	4.23	1043	0.20	4.98	0.18	6.95	903	0.1
Andhra Pradesh	0.35	6.48	0.13	2.76	377	0.22	5.55	0.13	5.15	600	1.1
Odisha	0.14	2.51	0.12	2.51	884	0.14	3.49	0.12	4.78	886	-
Tamil Nadu	0.06	1.09	0.04	0.89	726	0.06	1.49	0.05	2.09	908	13.6
Chhattisgarh	0.07	1.23	0.04	0.83	598	0.06	1.62	0.03	1.15	458	0.1
Bihar	0.02	0.40	0.04	0.78	1702	0.02	0.59	0.04	1.45	1577	1.8
Others	0.07	1.22	0.08	1.62	@	0.05	1.16	0.04	1.57	@	-
All-India	5.40	100.00	4.78	100.00	885	3.96	100.00	2.56	100.00	646	4.0

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates.

Table 4.15(a): Lentil (Masur): All-India Area, Production and Yield

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1970-71	0.75	0.37	497
1971-72	0.63	0.30	481
1972-73	0.83	0.37	447
1973-74	0.93	0.41	440
1974-75	0.95	0.46	480
1975-76	0.94	0.46	492
1976-77	0.85	0.39	461
1977-78	0.88	0.38	436
1978-79	1.01	0.45	443
1979-80	0.85	0.32	377
1980-81	0.93	0.47	498
1981-82	0.95	0.50	525
1982-83	1.00	0.49	491
1983-84	0.94	0.53	566
1984-85	0.98	0.55	557
1985-86	1.09	0.66	607
1986-87	1.09	0.66	607
1987-88	1.04	0.66	635
1988-89	1.08	0.73	679
1989-90	1.11	0.71	635
1990-91	1.19	0.85	717
1991-92	1.19	0.80	674
1992-93	1.20	0.79	657
1993-94	1.18	0.75	632
1994-95	1.16	0.78	678
1995-96	1.26	0.71	569
1996-97	1.37	0.96	702
1997-98	1.29	0.80	623
1998-99	1.39	0.94	675
1999-00	1.46	1.08	738
2000-01	1.48	0.92	619
2001-02	1.47	0.97	664
2002-03	1.38	0.87	634
2003-04	1.40	1.04	743

(Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
2004-05	1.47	0.99	675
2005-06	1.51	0.95	629
2006-07	1.47	0.91	621
2007-08	1.31	0.81	622
2008-09	1.38	0.95	693
2009-10	1.48	1.03	697
2010-11	1.60	0.94	591
2011-12	1.56	1.06	678
2012-13	1.42	1.13	797
2013-14	1.34	1.02	761
2014-15	1.47	1.04	705
2015-16	1.28	0.98	765

Source: Directorate of Economics & Statistics, DAC&FW

4.15 (b): Lentil (Masur): Area, Production and Yield during 2014-15 and 2015-16 in major Producing States

State	2015-16					2014-15				
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madhya Pradesh	0.55	42.79	0.39	39.96	719	0.61	41.76	0.42	40.19	678
Uttar Pradesh	0.34	26.26	0.24	24.39	710	0.44	29.84	0.24	22.71	537
Bihar	0.15	11.81	0.14	14.39	932	0.20	13.35	0.19	18.74	989
West Bengal	0.10	7.48	0.09	9.63	984	0.07	4.50	0.06	6.09	963
Rajasthan	0.07	5.84	0.06	6.56	859	0.04	2.86	0.04	3.77	919
Assam	0.03	2.22	0.02	2.01	693	0.03	1.98	0.02	2.13	775
Others	0.05	3.60	0.03	3.06	@	0.08	5.72	0.07	6.38	@
All-India	1.28	100.00	0.98	100.00	765	1.47	100.00	1.04	100.00	705

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2015-16.

4.16(a): Nine Oilseeds: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	10.73	5.16	481	NA
1951-52	11.69	5.03	430	NA
1952-53	11.18	4.73	424	0.8
1953-54	10.99	5.37	488	1.0
1954-55	12.52	6.40	511	1.1
1955-56	12.09	5.73	474	2.4
1956-57	12.49	6.36	509	2.7
1957-58	12.66	6.35	502	3.5
1958-59	13.00	7.30	561	3.2
1959-60	13.95	6.56	470	3.1
1960-61	13.77	6.98	507	3.3
1961-62	14.77	7.28	493	3.6
1962-63	15.34	7.39	482	3.3
1963-64	14.82	7.13	481	3.7
1964-65	15.26	8.56	561	3.4
1965-66	15.25	6.40	419	3.7
1966-67	15.00	6.43	428	5.1
1967-68	15.67	8.30	530	5.0
1968-69	14.47	6.85	473	4.8
1969-70	14.81	7.73	522	6.1
1970-71	16.64	9.63	579	7.4
1971-72	17.27	9.08	526	7.7
1972-73	15.79	7.14	452	7.2
1973-74	16.90	9.39	555	8.8
1974-75	17.31	9.15	529	9.2
1975-76	16.92	10.61	627	7.9
1976-77	16.47	8.43	512	7.6
1977-78	17.17	9.66	563	10.4
1978-79	17.71	10.10	570	11.0
1979-80	16.94	8.74	516	12.6
1980-81	17.60	9.37	532	14.5
1981-82	18.91	12.08	639	15.4
1982-83	17.76	10.00	563	15.6
1983-84	18.69	12.69	679	17.0
1984-85	18.92	12.95	684	19.6
1985-86	19.02	10.83	570	17.3
1986-87	18.63	11.27	605	17.9

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	20.13	12.65	629	20.6
1988-89	21.90	18.03	824	22.3
1989-90	22.80	16.92	742	22.1
1990-91	24.15	18.61	771	22.9
1991-92	25.89	18.60	719	25.5
1992-93	25.24	20.11	797	24.1
1993-94	26.90	21.50	799	22.8
1994-95	25.30	21.34	843	25.0
1995-96	25.96	22.11	851	26.0
1996-97	26.31	24.38	927	26.2
1997-98	26.09	21.32	817	24.3
1998-99	26.20	24.75	945	23.8
1999-00	24.26	20.71	854	25.0
2000-01	22.77	18.44	810	22.4
2001-02	22.64	20.66	913	24.4
2002-03	21.49	14.84	691	23.2
2003-04	23.66	25.19	1064	25.0
2004-05	27.52	24.35	885	27.0
2005-06	27.86	27.98	1004	28.4
2006-07	26.51	24.29	916	29.0
2007-08	26.69	29.76	1115	27.2
2008-09	27.56	27.72	1006	27.1
2009-10	25.96	24.88	958	25.9
2010-11	27.22	32.48	1193	24.9
2011-12	26.31	29.80	1133	27.5
2012-13	26.48	30.94	1168	28.2
2013-14	28.05	32.75	1168	27.3
2014-15	25.59	27.51	1075	27.4
2015-16	26.09	25.25	968	-
2016-17*	26.21	32.10	1225	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Note 1: Data for 1950-51 to 1969-70 relate to total of five major oilseeds viz. groundnut, 'castorseed, sesamum, rapeseed & mustard and linseed. After 1969-70 data also 'included 'Soybean, Sunflower, Nigerseed and Safflower.

Table 4.16 (b): Nine Oilseeds: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage

State	2016-17#					2015-16					Area - Million Hectares	
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production	% to All - India	Yield	Production - Million Tonnes	Yield - Kg/Hectare
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	2014-15*	(12)
Madhya Pradesh	6.99	26.65	8.68	27.05	1243	7.34	28.12	6.17	24.44	841	841	5.3
Rajasthan	4.55	17.38	6.31	19.67	1386	4.81	18.45	5.69	22.53	1182	1182	63.8
Maharashtra	4.44	16.95	5.26	16.39	1185	4.20	16.11	2.44	9.65	579	579	3.2
Gujarat	2.77	10.57	4.78	14.90	1725	2.57	9.85	4.18	16.55	1627	1627	29.8
Uttar Pradesh	1.26	4.80	1.06	3.31	845	1.29	4.95	0.86	3.41	670	670	42.5
West Bengal	0.79	3.03	0.92	2.88	1164	0.79	3.04	0.93	3.67	1168	1168	79.1
Haryana	0.54	2.06	0.92	2.88	1712	0.52	2.00	0.83	3.27	1589	1589	83.1
Karnataka	1.26	4.81	0.79	2.47	628	1.29	4.93	0.75	2.97	583	583	29.9
Andhra Pradesh	1.15	4.37	0.78	2.42	679	0.92	3.51	0.87	3.46	954	954	18.7
Telangana	0.52	2.00	0.71	2.20	1353	0.45	1.72	0.50	1.96	1102	1102	40.5
Tamil Nadu	0.35	1.32	0.62	1.92	1787	0.41	1.56	0.93	3.69	2290	2290	66.5
Jharkhand	0.35	1.34	0.26	0.81	737	0.26	0.99	0.18	0.70	681	681	23.2
Assam	0.31	1.18	0.21	0.66	685	0.31	1.19	0.22	0.85	694	694	2.5
Chhattisgarh	0.30	1.13	0.17	0.53	572	0.30	1.15	0.15	0.59	501	501	4.5
Bihar	0.12	0.45	0.13	0.41	1101	0.12	0.46	0.13	0.50	1059	1059	57.2
Odisha	0.18	0.70	0.12	0.37	652	0.19	0.73	0.12	0.48	632	632	12.7
Punjab	0.04	0.16	0.06	0.18	1406	0.04	0.17	0.06	0.22	1318	1318	86.8
Others	0.29	1.10	0.30	0.95	@	0.28	1.07	0.27	1.05	@	@	-
All India	26.21	100.00	32.10	100.00	1225	26.09	100.00	25.25	100.00	968	968	27.4

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional # Fourth Advance Estimates

Table 4.17(a): Groundnut: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	4.49	3.48	775	NA
1951-52	4.92	3.19	649	NA
1952-53	4.80	2.93	611	1.23
1953-54	4.25	3.45	811	1.54
1954-55	5.54	4.25	766	1.67
1955-56	5.13	3.86	752	1.70
1956-57	5.53	4.37	783	1.79
1957-58	6.42	4.71	734	2.85
1958-59	6.25	5.18	828	2.51
1959-60	6.44	4.56	708	2.47
1960-61	6.46	4.81	745	3.02
1961-62	6.89	4.99	725	3.35
1962-63	7.28	5.06	695	2.64
1963-64	6.89	5.30	769	3.03
1964-65	7.38	6.00	814	2.94
1965-66	7.70	4.26	554	3.37
1966-67	7.30	4.41	604	4.78
1967-68	7.55	5.73	759	5.36
1968-69	7.09	4.63	653	5.14
1969-70	7.13	5.13	720	5.75
1970-71	7.33	6.11	834	7.55
1971-72	7.51	6.18	823	7.28
1972-73	6.99	4.09	585	6.64
1973-74	7.02	5.93	845	9.13
1974-75	7.06	5.11	724	8.20
1975-76	7.22	6.76	935	6.87
1976-77	7.04	5.26	747	5.90
1977-78	7.03	6.09	866	8.11
1978-79	7.43	6.21	835	9.59
1979-80	7.17	5.77	805	12.05
1980-81	6.80	5.01	736	13.30
1981-82	7.43	7.22	972	14.24
1982-83	7.22	5.28	732	14.84
1983-84	7.54	7.09	940	16.04
1984-85	7.17	6.44	898	16.05
1985-86	7.12	5.12	719	14.79
1986-87	6.98	5.88	841	15.10

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1987-88	6.84	5.85	855	19.01
1988-89	8.53	9.66	1132	18.59
1989-90	8.71	8.10	930	16.96
1990-91	8.31	7.51	904	18.63
1991-92	8.67	7.09	818	19.14
1992-93	8.17	8.56	1049	19.71
1993-94	8.32	7.83	941	19.39
1994-95	7.85	8.06	1027	19.82
1995-96	7.52	7.58	1007	18.11
1996-97	7.60	8.64	1138	17.53
1997-98	7.09	7.37	1040	19.45
1998-99	7.40	8.98	1214	19.92
1999-00	6.87	5.25	764	18.69
2000-01	6.56	6.41	977	16.89
2001-02	6.24	7.03	1127	17.07
2002-03	5.94	4.12	694	15.98
2003-04	5.99	8.13	1357	16.82
2004-05	6.64	6.77	1020	17.03
2005-06	6.74	7.99	1187	18.36
2006-07	5.62	4.86	866	20.87
2007-08	6.29	9.18	1459	22.24
2008-09	6.16	7.17	1163	21.24
2009-10	5.48	5.43	991	23.99
2010-11	5.86	8.26	1411	21.80
2011-12	5.26	6.96	1323	24.34
2012-13	4.72	4.70	995	25.30
2013-14	5.51	9.71	1764	25.76
2014-15	4.77	7.40	1552	26.66
2015-16	4.60	6.73	1465	-
2016-17*	5.31	7.57	1424	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Table 4.17 (b): Groundnut: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	Area All - India	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production		% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Gujarat	1.76	33.12	3.16	41.71	1795	1.41	30.76	2.34	34.74	1654	12.4
Rajasthan	0.56	10.48	1.14	15.08	2051	0.52	11.25	1.05	15.57	2029	88.3
Andhra Pradesh	1.01	19.07	0.71	9.44	705	0.78	16.86	0.80	11.90	1034	10.8
Tamil Nadu	0.30	5.65	0.60	7.89	1991	0.35	7.54	0.89	13.25	2574	41.0
Maharashtra	0.33	6.23	0.42	5.57	1275	0.31	6.72	0.33	4.96	1081	20.8
Karnataka	0.64	12.07	0.41	5.37	634	0.57	12.40	0.40	5.87	693	30.1
Madhya Pradesh	0.26	4.80	0.38	5.07	1506	0.24	5.13	0.33	4.92	1405	10.0
Telangana	0.17	3.16	0.33	4.32	1945	0.13	2.78	0.21	3.06	1609	92.9
West Bengal	0.08	1.50	0.18	2.38	2267	0.08	1.83	0.19	2.82	2255	-
Uttar Pradesh	0.09	1.77	0.09	1.12	904	0.10	2.11	0.07	0.97	670	5.3
Odisha	0.04	0.84	0.05	0.72	1234	0.05	1.11	0.06	0.83	1098	18.9
Others	0.07	1.30	0.10	1.32	@	0.07	1.49	0.07	1.11	@	-
All India	5.31	100.00	7.57	100.00	1425	4.60	100.00	6.73	100.00	1465	26.7

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates

Table 4.18(a): Rapeseed & Mustard: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	2.07	0.76	368	NA
1951-52	2.40	0.94	393	NA
1952-53	2.11	0.86	408	0
1953-54	2.24	0.87	389	0
1954-55	2.44	1.04	425	0.09
1955-56	2.56	0.86	336	10.39
1956-57	2.54	1.04	411	13.53
1957-58	2.41	0.93	387	12.96
1958-59	2.45	1.04	426	13.02
1959-60	2.91	1.06	365	12.31
1960-61	2.88	1.35	467	12.05
1961-62	3.17	1.35	425	13.18
1962-63	3.13	1.30	417	13.33
1963-64	3.05	0.92	300	16.08
1964-65	2.91	1.47	507	15.23
1965-66	2.91	1.30	446	15.78
1966-67	3.01	1.23	408	20.28
1967-68	3.24	1.57	483	14.83
1968-69	2.87	1.35	469	18.41
1969-70	3.17	1.56	493	23.54
1970-71	3.32	1.98	594	25.16
1971-72	3.61	1.43	396	28.59
1972-73	3.32	1.81	545	26.75
1973-74	3.46	1.70	493	30.38
1974-75	3.68	2.25	612	35.37
1975-76	3.34	1.94	580	31.25
1976-77	3.13	1.55	496	34.41
1977-78	3.58	1.65	460	39.68
1978-79	3.54	1.86	525	39.69
1979-80	3.47	1.43	411	41.94
1980-81	4.11	2.30	560	43.65
1981-82	4.40	2.38	541	44.88
1982-83	3.83	2.21	577	43.90
1983-84	3.87	2.61	673	46.58
1984-85	3.99	3.07	771	53.26
1985-86	3.98	2.68	674	51.30

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1986-87	3.72	2.60	700	51.77
1987-88	4.62	3.45	748	54.71
1988-89	4.83	4.38	906	59.97
1989-90	4.97	4.13	831	61.62
1990-91	5.78	5.23	904	59.82
1991-92	6.55	5.86	895	63.87
1992-93	6.19	4.80	776	60.05
1993-94	6.29	5.33	847	59.34
1994-95	6.01	5.76	958	62.77
1995-96	6.55	6.00	916	66.36
1996-97	6.55	6.66	1017	67.56
1997-98	7.04	4.70	668	58.98
1998-99	6.51	5.66	869	61.70
1999-00	6.03	5.79	961	63.30
2000-01	4.48	4.19	936	66.10
2001-02	5.07	5.08	1002	69.05
2002-03	4.54	3.88	854	70.58
2003-04	5.43	6.29	1159	71.47
2004-05	7.32	7.59	1038	71.97
2005-06	7.28	8.13	1117	73.57
2006-07	6.79	7.44	1095	75.55
2007-08	5.83	5.83	1001	76.01
2008-09	6.30	7.20	1143	74.33
2009-10	5.59	6.61	1183	71.93
2010-11	6.90	8.18	1185	69.82
2011-12	5.89	6.60	1121	73.45
2012-13	6.36	8.03	1262	76.51
2013-14	6.65	7.88	1185	76.57
2014-15	5.80	6.28	1083	76.64
2015-16	5.75	6.80	1183	-
2016-17*	6.02	7.98	1324	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Table 4.18 (b): Rapeseed & Mustard: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#						2015-16				Area Under Irrigation(%) 2014-15*						
	Area		Production		% to All - India		Yield		Area			Production		% to All - India		Yield	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)		(12)	(13)	(14)	(15)	(16)	(17)
Rajasthan	2.50	41.56	3.71	46.46	1481	2.53	44.07	3.26	47.94	1287	90.1						
Madhya Pradesh	0.71	11.75	0.92	11.52	1298	0.62	10.74	0.67	9.80	1079	54.3						
Haryana	0.53	8.72	0.90	11.33	1721	0.51	8.79	0.81	11.84	1594	82.9						
Uttar Pradesh	0.69	11.44	0.86	10.76	1245	0.59	10.32	0.60	8.87	1017	82.0						
West Bengal	0.46	7.55	0.50	6.27	1099	0.46	7.97	0.50	7.34	1090	87.8						
Gujarat	0.20	3.27	0.34	4.21	1706	0.19	3.31	0.31	4.50	1611	95.3						
Jharkhand	0.27	4.54	0.20	2.52	736	0.19	3.38	0.14	2.00	698	54.1						
Assam	0.28	4.70	0.19	2.43	686	0.29	4.97	0.20	2.94	698	0.0						
Bihar	0.09	1.43	0.10	1.20	1112	0.09	1.56	0.09	1.39	1052	63.7						
Punjab	0.03	0.51	0.04	0.55	1411	0.03	0.54	0.04	0.62	1348	91.9						
Others	0.27	4.53	0.22	2.75	@	0.25	4.35	0.19	2.77	@	-						
All India	6.02	100.00	7.98	100.00	1324	5.75	100.00	6.80	100.00	1183	76.6						

Source: Directorate of Economics & Statistics, DAC&F-W

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates

Table 4.19(a): Soybean: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg/Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1970-71	0.03	0.01	426	NA
1971-72	0.03	0.01	426	NA
1972-73	0.03	0.03	819	NA
1973-74	0.05	0.04	829	NA
1974-75	0.07	0.05	768	NA
1975-76	0.09	0.09	975	NA
1976-77	0.13	0.12	988	NA
1977-78	0.20	0.18	940	NA
1978-79	0.31	0.30	975	NA
1979-80	0.50	0.28	568	NA
1980-81	0.61	0.44	728	NA
1981-82	0.48	0.35	741	NA
1982-83	0.77	0.49	637	NA
1983-84	0.84	0.61	735	NA
1984-85	1.24	0.95	768	NA
1985-86	1.34	1.02	764	NA
1986-87	1.53	0.89	584	NA
1987-88	1.54	0.90	582	NA
1988-89	1.73	1.55	892	NA
1989-90	2.25	1.81	801	NA
1990-91	2.56	2.60	1015	NA
1991-92	3.18	2.49	782	NA
1992-93	3.79	3.39	894	2.6
1993-94	4.37	4.75	1086	2.5
1994-95	4.32	3.93	911	2.9
1995-96	5.04	5.10	1012	3.7
1996-97	5.44	5.38	989	2.7
1997-98	5.99	6.46	1079	2.6
1998-99	6.49	7.14	1100	2.5
1999-00	6.22	7.08	1138	1.6
2000-01	6.42	5.28	823	1.4
2001-02	6.34	5.96	940	1.7
2002-03	6.11	4.65	762	0.8
2003-04	6.55	7.82	1193	1.4

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
2004-05	7.57	6.87	908	1.6
2005-06	7.71	8.27	1073	1.7
2006-07	8.33	8.85	1063	1.1
2007-08	8.88	10.97	1235	1.2
2008-09	9.51	9.91	1041	1.0
2009-10	9.73	9.96	1024	0.7
2010-11	9.60	12.74	1327	0.6
2011-12	10.11	12.21	1208	0.6
2012-13	10.84	14.67	1353	0.6
2013-14	11.72	11.86	1012	0.6
2014-15	10.91	10.37	951	0.7
2015-16	11.60	8.57	738	-
2016-17*	11.32	13.79	1219	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Table 4.19 (b): Soybean: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation
 Area - Million Hectares
 Production - Million Tonnes
 Yield - Kg/Hectare

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Madhya Pradesh	5.40	47.73	7.08	51.29	1310	5.91	50.89	4.91	57.27	831	0.4
Maharashtra	3.98	35.14	4.77	34.61	1201	3.70	31.90	2.06	24.05	557	0.4
Rajasthan	1.06	9.33	1.13	8.21	1072	1.20	10.38	1.00	11.65	829	0.4
Telangana	0.28	2.45	0.32	2.34	1166	0.24	2.09	0.25	2.94	1037	7.8
Karnataka	0.32	2.80	0.24	1.71	744	0.26	2.22	0.14	1.63	543	6.5
Gujarat	0.12	1.06	0.09	0.62	717	0.08	0.69	0.05	0.63	675	0
Others	0.17	1.50	0.17	1.22	@	0.21	1.82	0.16	1.82	@	
All India	11.32	100.00	13.79	100.00	1219	11.60	100.00	8.57	100.00	738	0.7

Source: Directorate of Economics & Statistics, DAC&F-W

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

Table 4.20(a): Sunflower: All-India Area, Production and Yield alongwith coverage under Irrigation

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1970-71	0.12	0.08	653	NA
1971-72	0.12	0.08	653	NA
1972-73	0.12	0.08	653	NA
1973-74	0.24	0.17	712	NA
1974-75	0.34	0.23	671	NA
1975-76	0.32	0.22	686	NA
1976-77	0.26	0.14	541	NA
1977-78	0.27	0.14	523	NA
1978-79	0.18	0.10	543	NA
1979-80	0.06	0.03	519	NA
1980-81	0.12	0.07	555	NA
1981-82	0.28	0.16	564	NA
1982-83	0.46	0.23	497	NA
1983-84	0.70	0.30	431	NA
1984-85	0.84	0.44	527	NA
1985-86	0.75	0.28	374	NA
1986-87	1.02	0.42	411	NA
1987-88	1.65	0.64	385	NA
1988-89	1.10	0.37	335	NA
1989-90	1.19	0.63	529	NA
1990-91	1.63	0.87	535	NA
1991-92	2.11	1.19	565	NA
1992-93	2.09	1.18	567	19.6
1993-94	2.67	1.35	505	17.7
1994-95	2.00	1.22	610	18.2
1995-96	2.12	1.26	593	21.0
1996-97	1.93	1.25	646	21.1
1997-98	1.74	0.89	510	21.6
1998-99	1.82	0.95	521	20.1
1999-00	1.29	0.69	536	23.3
2000-01	1.07	0.65	605	27.6
2001-02	1.18	0.68	577	24.1
2002-03	1.64	0.87	531	22.9
2003-04	2.00	0.93	464	15.4

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
2004-05	2.16	1.19	549	26.4
2005-06	2.34	1.44	615	24.1
2006-07	2.16	1.23	567	26.2
2007-08	1.91	1.46	765	31.3
2008-09	1.81	1.16	639	30.1
2009-10	1.48	0.85	576	28.7
2010-11	0.93	0.65	699	31.2
2011-12	0.73	0.52	712	32.3
2012-13	0.83	0.54	655	29.0
2013-14	0.67	0.50	750	28.6
2014-15	0.59	0.43	736	30.1
2015-16	0.49	0.30	608	-
2016-17*	0.34	0.24	699	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

NA-Not Available

Table 4.20 (b): Sunflower: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	Area		Yield		Area		Yield				
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)	(11)
Karnataka	0.22	62.75	0.10	41.13	458	0.33	67.79	0.15	51.13	459	24.2
Odisha	0.02	5.23	0.02	8.89	1185	0.02	3.29	0.02	6.45	1189	39.8
Andhra Pradesh	0.02	6.39	0.02	8.31	909	0.03	5.55	0.02	7.76	852	91.5
West Bengal	0.02	4.36	0.02	8.31	1333	0.01	2.47	0.02	5.74	1417	22.8
Bihar	0.01	3.49	0.02	7.23	1450	0.01	2.34	0.02	5.47	1421	100.0
Maharashtra	0.03	7.47	0.02	6.90	646	0.05	9.65	0.01	3.37	213	49.3
Haryana	0.01	1.86	0.01	5.19	1953	0.01	1.85	0.02	6.24	2056	89.3
Punjab	0.01	1.69	0.01	4.36	1810	0.01	1.31	0.01	3.88	1797	70.5
Others	0.02	6.77	0.02	9.68	@	0.03	5.75	0.03	9.96	@	-
All India	0.34	100.00	0.24	100.00	699	0.49	100.00	0.30	100.00	609	30.1

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

Table 4.21(a): Cotton: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Bales (170 Kg. of each)
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	5.88	3.04	88	8.2
1951-52	6.56	3.28	85	9.1
1952-53	6.36	3.34	89	8.5
1953-54	6.99	4.13	100	8.4
1954-55	7.55	4.45	100	9.8
1955-56	8.09	4.18	88	10.0
1956-57	8.02	4.92	104	11.0
1957-58	8.01	4.96	105	12.7
1958-59	7.96	4.88	104	12.5
1959-60	7.30	3.68	86	12.9
1960-61	7.61	5.60	125	12.7
1961-62	7.98	4.85	103	13.0
1962-63	7.73	5.54	122	14.1
1963-64	8.22	5.75	119	15.3
1964-65	8.37	6.01	122	15.5
1965-66	7.96	4.85	104	15.9
1966-67	7.84	5.27	114	16.1
1967-68	8.00	5.78	123	16.7
1968-69	7.60	5.45	122	16.5
1969-70	7.73	5.56	122	16.4
1970-71	7.61	4.76	106	17.3
1971-72	7.80	6.95	151	20.3
1972-73	7.68	5.74	127	21.0
1973-74	7.57	6.31	142	22.1
1974-75	7.56	7.16	161	22.9
1975-76	7.35	5.95	138	23.5
1976-77	6.89	5.84	144	24.6
1977-78	7.87	7.24	157	26.2
1978-79	8.12	7.96	167	27.2
1979-80	8.13	7.65	160	27.5
1980-81	7.82	7.01	152	27.3
1981-82	8.06	7.88	166	27.7
1982-83	7.87	7.53	163	29.0
1983-84	7.72	6.39	141	29.9

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1984-85	7.38	8.51	196	28.5
1985-86	7.53	8.73	197	30.2
1986-87	6.95	6.91	169	31.1
1987-88	6.46	6.38	168	32.0
1988-89	7.34	8.74	202	33.0
1989-90	7.69	11.42	252	34.2
1990-91	7.44	9.84	225	32.9
1991-92	7.66	9.71	216	33.3
1992-93	7.54	11.40	257	34.6
1993-94	7.32	10.74	249	34.7
1994-95	7.87	11.89	257	34.2
1995-96	9.04	12.86	242	35.0
1996-97	9.12	14.23	265	36.0
1997-98	8.87	10.85	208	37.1
1998-99	9.34	12.29	224	34.1
1999-00	8.71	11.53	225	33.0
2000-01	8.53	9.52	190	32.2
2001-02	9.13	10.00	186	33.8
2002-03	7.67	8.62	191	33.2
2003-04	7.60	13.73	307	32.3
2004-05	8.79	16.43	318	34.8
2005-06	8.68	18.50	362	37.3
2006-07	9.14	22.63	421	37.7
2007-08	9.41	25.88	467	37.6
2008-09	9.41	22.28	403	35.8
2009-10	10.13	24.02	403	36.0
2010-11	11.24	33.00	499	33.8
2011-12	12.18	35.20	491	35.9
2012-13	11.98	34.22	486	33.8
2013-14	11.96	35.90	510	32.5
2014-15	12.82	34.80	462	33.7
2015-16	12.29	30.01	415	-
2016-17*	10.85	33.09	519	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.21 (b): Cotton: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation
 Area - Million Hectares
 Production - Million Bales (170 kg each)
 Yield - Kg/Hectare

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	Area (2)	% to All - India (3)	Production (4)	% to All - India (5)	Yield (6)	Area (7)	% to All - India (8)	Production (9)		% to All - India (10)	Yield (11)
(1)											
Maharashtra	3.80	35.04	10.62	32.08	475	4.21	34.23	7.50	25.00	303	2.7
Gujarat	2.41	22.18	8.22	24.84	581	2.72	22.14	9.40	31.33	587	58.7
Telangana	1.41	12.99	2.93	8.87	354	1.77	14.42	3.66	12.20	351	12.5
Madhya Pradesh	0.60	5.52	2.52	7.62	715	0.56	4.58	1.80	6.00	544	60.4
Haryana	0.57	5.26	2.04	6.17	609	0.62	5.00	0.99	3.31	274	99.8
Andhra Pradesh	0.47	4.34	1.62	4.89	584	0.67	5.42	1.89	6.29	482	19.9
Rajasthan	0.47	4.34	1.61	4.87	581	0.45	3.64	1.21	4.05	461	95.2
Karnataka	0.51	4.67	1.44	4.34	481	0.64	5.22	2.00	6.67	530	27.2
Punjab	0.29	2.63	1.27	3.83	756	0.34	2.76	0.75	2.50	376	100.0
Others	0.33	3.02	0.83	2.51	@	0.32	2.58	0.80	2.66	@	-
All India	10.85	100.00	33.09	100.00	519	12.29	100.00	30.01	100.00	415	33.7

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates

Table 4.22 (a): Jute and Mesta: All-India Area, Production and Yield

Year	Area	Production	Area - Million Hectares
			Production - Million Bales (180 kg. each)
			Yield - Kg./Hectare
(1)	(2)	(3)	(4)
1950-51	0.57	3.31	1043
1951-52	0.79	4.72	1074
1952-53	0.93	5.32	1028
1953-54	0.68	3.77	992
1954-55	0.68	3.86	1021
1955-56	0.94	5.39	1038
1956-57	1.07	5.81	977
1957-58	1.02	5.33	944
1958-59	1.10	6.91	1130
1959-60	0.98	5.69	1049
1960-61	0.90	5.26	1049
1961-62	1.34	8.24	1104
1962-63	1.24	7.19	1041
1963-64	1.27	7.98	1130
1964-65	1.21	7.66	1136
1965-66	1.11	5.78	936
1966-67	1.12	6.58	1058
1967-68	1.20	7.59	1137
1968-69	0.81	3.84	855
1969-70	1.09	6.79	1120
1970-71	1.08	6.19	1032
1971-72	1.11	6.84	1107
1972-73	0.99	6.09	1104
1973-74	1.16	7.68	1188
1974-75	0.98	5.83	1068
1975-76	0.91	5.91	1164
1976-77	1.09	7.10	1173
1977-78	1.16	7.15	1108
1978-79	1.27	8.33	1186
1979-80	1.22	7.96	1177
1980-81	1.30	8.16	1130
1981-82	1.15	8.37	1311
1982-83	1.02	7.17	1265
1983-84	1.05	7.72	1320
1984-85	1.13	7.79	1242

(Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1985-86	1.50	12.65	1524
1986-87	1.07	8.62	1454
1987-88	0.96	6.78	1274
1988-89	0.92	7.86	1540
1989-90	0.91	8.29	1646
1990-91	1.02	9.23	1634
1991-92	1.11	10.29	1662
1992-93	0.93	8.59	1658
1993-94	0.89	8.43	1713
1994-95	0.93	9.08	1760
1995-96	0.93	8.81	1712
1996-97	1.10	11.13	1819
1997-98	1.11	11.02	1792
1998-99	1.03	9.81	1722
1999-00	1.04	10.55	1834
2000-01	1.02	10.56	1868
2001-02	1.05	11.68	2007
2002-03	1.04	11.28	1960
2003-04	1.00	11.17	2008
2004-05	0.92	10.27	2019
2005-06	0.90	10.84	2173
2006-07	0.94	11.27	2170
2007-08	0.96	11.21	2101
2008-09	0.90	10.37	2071
2009-10	0.91	11.82	2349
2010-11	0.87	10.62	2197
2011-12	0.90	11.40	2280
2012-13	0.86	10.93	2281
2013-14	0.84	11.68	2512
2014-15	0.81	11.13	2473
2015-16	0.78	10.52	2421
2016-17*	0.77	10.60	2490

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.22 (b): Jute & Mesta: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States

State	2016-17#						2015-16				
	Area (2)	% to All - India (3)	Production (4)	% to All - India (5)	Yield (6)	Area (7)	Production - Million Bales (180 kg. each)		Area - Million Hectares		
							% to All - India (8)	Production (9)	% to All - India (10)	Yield (11)	
West Bengal	0.54	69.98	7.86	74.11	2637	0.55	70.83	7.78	73.90	2526	
Bihar	0.11	14.26	1.68	15.87	2770	0.11	14.11	1.63	15.49	2658	
Assam	0.08	10.31	0.83	7.78	1880	0.08	9.77	0.89	8.50	2106	
Andhra Pradesh	0.01	0.91	0.07	0.62	1697	0.01	0.64	0.04	0.42	1584	
Odisha	0.01	1.10	0.05	0.48	1083	0.01	1.27	0.06	0.54	1033	
Others	0.03	3.44	0.12	1.14	@	0.03	3.39	0.12	1.16	@	
All India	0.77	100.00	10.60	100.00	2490	0.78	100.00	10.52	100.00	2421	

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

Fourth Advance Estimates.

Table 4.23(a): Sugarcane: All-India Area, Production and Yield alongwith coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Yield - Kg./Hectare
(1)	(2)	(3)	(4)	Area Under Irrigation (%)
1950-51	1.71	57.05	33422	67.3
1951-52	1.94	61.63	31786	68.8
1952-53	1.73	51.00	29495	66.3
1953-54	1.41	44.41	31497	67.7
1954-55	1.62	58.74	36303	68.8
1955-56	1.85	60.54	32779	67.2
1956-57	2.05	69.05	33683	64.9
1957-58	2.07	71.16	34325	65.2
1958-59	1.95	73.36	37658	67.4
1959-60	2.14	77.82	36414	67.9
1960-61	2.42	110.00	45549	69.3
1961-62	2.46	103.97	42349	68.0
1962-63	2.24	91.91	40996	67.8
1963-64	2.25	104.23	46353	69.6
1964-65	2.60	121.91	46838	71.5
1965-66	2.84	123.99	43717	71.1
1966-67	2.30	92.83	40336	71.0
1967-68	2.05	95.50	40665	74.1
1968-69	2.53	124.68	49236	76.9
1969-70	2.75	135.02	49121	75.5
1970-71	2.62	126.37	48322	72.4
1971-72	2.39	113.57	47511	71.8
1972-73	2.45	124.87	50933	75.0
1973-74	2.75	140.81	51163	76.5
1974-75	2.89	144.29	49855	77.9
1975-76	2.76	140.60	50903	78.0
1976-77	2.87	153.01	53383	77.2
1977-78	3.15	176.97	56160	78.1
1978-79	3.09	151.66	49114	77.8
1979-80	2.61	128.83	49358	77.2
1980-81	2.67	154.25	57844	81.3
1981-82	3.19	186.36	58359	82.3
1982-83	3.36	189.51	56441	80.5
1983-84	3.11	174.08	55978	80.3

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1984-85	2.95	170.32	57673	83.6
1985-86	2.85	170.65	59889	84.5
1986-87	3.08	186.09	60444	85.4
1987-88	3.28	196.74	60006	85.6
1988-89	3.33	203.04	60992	86.2
1989-90	3.44	225.57	65612	86.9
1990-91	3.69	241.05	65395	87.0
1991-92	3.84	254.00	66069	88.0
1992-93	3.57	228.03	63843	88.3
1993-94	3.42	229.66	67120	88.8
1994-95	3.87	275.54	71254	85.4
1995-96	4.15	281.10	67787	87.4
1996-97	4.17	277.56	66496	90.9
1997-98	3.93	279.54	71133	91.6
1998-99	4.05	288.72	71203	91.9
1999-00	4.22	299.32	70934	92.5
2000-01	4.32	295.96	68578	92.2
2001-02	4.41	297.21	67370	92.3
2002-03	4.52	287.38	63576	92.7
2003-04	3.93	233.86	59380	92.3
2004-05	3.66	237.09	64752	92.4
2005-06	4.20	281.17	66919	93.3
2006-07	5.15	355.52	69022	93.8
2007-08	5.06	348.19	68877	93.8
2008-09	4.42	285.03	64553	93.5
2009-10	4.17	292.30	70020	93.8
2010-11	4.88	342.38	70091	92.7
2011-12	5.04	361.04	71668	94.8
2012-13	5.00	341.20	68254	95.2
2013-14	4.99	352.14	70522	95.3
2014-15	5.07	362.33	71512	90.2
2015-16	4.93	348.45	70720	-
2016-17*	4.39	306.72	69886	-

Source: Directorate of Economics & Statistics, DAC&FW

* 4th Advance Estimates.

Table 4.23 (b): Sugarcane: Area, Production and Yield during 2015-16 and 2016-17 in major Producing States alongwith coverage under Irrigation
 Area - Million Hectares
 Production - Million Bales (170 kg each)
 Yield - Kg./Hectare

State	2016-17#				2015-16				Area Under Irrigation(%) 2014-15*		
	Area	% to All - India	Production	% to All - India	Yield	Area	% to All - India	Production		% to All - India	Yield
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Uttar Pradesh	2.16	49.22	144.78	47.20	67029	2.17	44.02	145.39	41.72	67029	95.4
Maharashtra	0.63	14.42	50.64	16.51	80006	0.99	20.03	73.68	21.15	74650	70.5
Karnataka	0.35	8.07	23.54	7.68	66500	0.45	9.13	37.83	10.86	84075	99.4
Tamil Nadu	0.21	4.73	17.22	5.61	83002	0.25	5.12	25.49	7.32	101059	100.0
Bihar	0.24	5.52	15.42	5.03	63639	0.24	4.95	12.65	3.63	51837	79.3
Gujarat	0.17	3.85	11.95	3.90	70710	0.16	3.19	11.12	3.19	70828	94.5
Haryana	0.10	2.32	8.64	2.82	84706	0.09	1.89	6.69	1.92	71957	100.0
Andhra Pradesh	0.10	2.35	7.85	2.56	76252	0.12	2.48	9.35	2.68	76664	92.4
Punjab	0.09	2.01	7.25	2.36	82409	0.09	1.83	6.61	1.90	73411	97.7
Uttarakhand	0.09	2.12	6.48	2.11	69645	0.10	1.97	5.89	1.69	60772	98.7
Madhya Pradesh	0.09	2.10	4.73	1.54	51413	0.10	2.09	5.28	1.52	51272	99.9
Telangana	0.03	0.59	2.16	0.70	82885	0.04	0.71	2.41	0.69	68714	100.0
West Bengal	0.02	0.48	2.08	0.68	98881	0.02	0.35	2.08	0.60	119232	84.6
Assam	0.03	0.73	1.16	0.38	36219	0.03	0.60	1.04	0.30	25245	1.5
Odisha	0.01	0.28	0.81	0.27	65440	0.01	0.18	0.58	0.17	64415	100.0
Others	0.05	1.23	2.01	0.66	@	0.07	1.46	2.37	0.68	@	-
All India	4.39	100.00	306.72	100.00	69886	4.93	100.00	348.45	100.00	70720	90.2

Source: Directorate of Economics & Statistics, DAC&FW

@ - Since area/ production is low in individual States, yield rate is not worked out.

Note: States have been arranged in descending order of percentage share of production during 2016-17.

* Provisional

Fourth Advance Estimates.

Table 4.24 (a): Tobacco: All-India Area, Production and Yield alongwith percentage coverage under Irrigation

Year	Area	Production	Yield	Area - Million Hectares
				Production - Million Tonnes
				Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1950-51	0.36	0.26	731	NA
1951-52	0.29	0.21	723	NA
1952-53	0.36	0.25	675	9.7
1953-54	0.37	0.27	737	9.7
1954-55	0.35	0.26	737	10.8
1955-56	0.41	0.30	739	16.9
1956-57	0.42	0.31	728	20.4
1957-58	0.36	0.24	669	22.5
1958-59	0.38	0.32	836	21.0
1959-60	0.41	0.29	716	22.4
1960-61	0.40	0.31	766	21.9
1961-62	0.42	0.34	811	17.9
1962-63	0.41	0.34	842	18.2
1963-64	0.44	0.36	817	15.4
1964-65	0.41	0.36	876	17.0
1965-66	0.38	0.29	778	16.9
1966-67	0.42	0.35	834	17.1
1967-68	0.42	0.37	871	17.4
1968-69	0.44	0.36	821	20.4
1969-70	0.44	0.34	770	19.5
1970-71	0.45	0.36	810	23.7
1971-72	0.46	0.42	914	24.5
1972-73	0.45	0.37	837	26.3
1973-74	0.46	0.46	1001	24.2
1974-75	0.38	0.36	954	21.0
1975-76	0.37	0.35	950	29.8
1976-77	0.43	0.42	969	30.2
1977-78	0.50	0.49	979	23.3
1978-79	0.41	0.45	1109	30.5
1979-80	0.43	0.44	1031	32.6
1980-81	0.45	0.48	1065	33.7
1981-82	0.44	0.52	1172	33.9
1982-83	0.50	0.58	1157	29.6

(Contd.)

Year	Area	Production	Yield	Area Under Irrigation (%)
(1)	(2)	(3)	(4)	(5)
1983-84	0.44	0.49	1120	34.0
1984-85	0.44	0.49	1113	37.7
1985-86	0.40	0.44	1111	39.9
1986-87	0.39	0.46	1187	40.7
1987-88	0.32	0.37	1155	45.9
1988-89	0.38	0.49	1307	42.4
1989-90	0.41	0.55	1335	43.2
1990-91	0.41	0.56	1353	43.4
1991-92	0.43	0.58	1369	38.9
1992-93	0.42	0.60	1425	40.4
1993-94	0.38	0.56	1463	43.5
1994-95	0.38	0.57	1486	45.3
1995-96	0.39	0.54	1356	46.6
1996-97	0.43	0.62	1444	46.8
1997-98	0.46	0.64	1394	42.2
1998-99	0.51	0.74	1451	44.3
1999-00	0.43	0.52	1211	47.1
2000-01	0.26	0.34	1318	53.2
2001-02	0.35	0.55	1565	45.8
2002-03	0.33	0.49	1506	46.7
2003-04	0.37	0.55	1486	50.2
2004-05	0.37	0.55	1498	49.0
2005-06	0.37	0.50	1351	48.2
2006-07	0.37	0.47	1274	47.1
2007-08	0.35	0.44	1255	50.3
2008-09	0.39	0.57	1456	47.1
2009-10	0.44	0.69	1559	45.3
2010-11	0.49	0.80	1632	46.4
2011-12	0.47	0.75	1613	51.0
2012-13	0.43	0.66	1542	53.8
2013-14	0.46	0.74	1612	51.6
2014-15	0.46	0.84	1842	58.8
2015-16	0.45	0.80	1781	-

Source: Directorate of Economics & Statistics, DAC&FW

NA- Not Available

Note: Area under Irrigation for previous years have been revised based on the updated information received from the State Departments.

Table 4.24(b): Tobacco: Area, Production and Yield during 2014-15 and 2015-16 in major Producing States

State	2016-17#				2015-16				Area - '000 Hectares Production - '000 Tonnes Yield - Kg./ Hectare		
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)		(10)	(11)
Gujarat	198.00	43.93	326.00	40.61	1646	166.00	35.51	236.00	27.59	1422	100.0
Andhra Pradesh	98.00	21.74	222.00	27.66	2265	139.00	29.73	357.00	41.73	2568	31.2
Uttar Pradesh	31.64	7.02	138.64	17.27	4382	31.00	6.63	132.00	15.43	4258	100.0
Karnataka	84.00	18.64	49.00	6.10	583	94.00	20.11	67.00	7.83	713	7.2
West Bengal	15.07	3.34	25.34	3.16	1681	12.00	2.57	16.50	1.93	1375	99.5
Bihar	9.10	2.02	15.81	1.97	1736	10.59	2.27	18.67	2.18	1762	88.1
Telangana	6.00	1.33	15.00	1.87	2500	6.00	1.28	16.00	1.87	2667	73.7
Tamil Nadu	3.35	0.74	5.11	0.64	1525	5.49	1.17	8.38	0.98	1526	100.0
Maharashtra	2.00	0.44	3.00	0.37	1500	1.00	0.21	2.00	0.23	2000	16.7
Others	3.53	0.78	2.81	0.35	797	2.45	0.52	1.88	0.22	769	-
All India	450.69	100.00	802.71	100.00	1781	467.53	100.00	855.43	100.00	1830	58.8

Source: Directorate of Economics & Statistics, DAC&FW

Note: States have been arranged in descending order of percentage share of production during 2015-16.

Table 4.25: All-India Area, Production and Yield of Guarseed and Sannhemp

Year	Area	Production	Area - '000 Hectares
			Yield - Kg/Hectare
(1)	(2)	(3)	(4)
Guarseed			
1997-98	2301.2	962.7	418
1998-99	1922.1	488.5	254
1999-00	2933.9	375.1	128
2000-01	3497.4	658.8	188
2001-02	2903.1	1089.9	375
2002-03	975.1	199.2	204
2003-04	2854.0	1513.4	530
2004-05	2867.4	903.3	315
2005-06	2955.5	1059.0	358
2006-07	3343.7	1169.3	350
2007-08	3472.6	1788.5	515
2008-09	3862.5	1935.8	501
2009--10	2995.2	594.7	199
2010-11	3382.2	1965.3	581
2011-12	3444.2	2217.6	644
2012-13	5151.3	2457.6	477
2013-14	5958.7	3585.3	602
2014-15	5344.8	3275.9	613
2015-16	5603.4	2824.8	504
Sannhemp			
1997-98	54.6	64.5	213
1998-99	47.5	58.9	223
1999-00	49.8	62.1	224
2000-01	56.3	66.5	213
2001-02	50.6	64.7	230
2002-03	45.4	50.9	202
2003-04	37.0	53.3	260
2004-05	35.5	56.7	298
2005-06	33.4	57.4	310
2006-07	32.9	60.9	334
2007-08	32.1	58.0	326
2008-09	27.0	54.7	364
2009--10	24.6	73.7	540
2010-11	28.2	101.8	650
2011-12	21.2	77.6	660
2012-13	17.5	59.1	608
2013-14	12.9	52.1	730
2014-15	11.6	46.8	730
2015-16	11.0	41.6	681

Source: Directorate of Economics & Statistics, DAC&FW

* Production of Guarseed in '000 Tonnes and for Sannhemp in '000 Bales of 180 Kgs each

Table 4.26: Production of Oilseeds & Oils and Net Availability of Edible Oils

Oilseeds / Oils	2004-05		2005-06		2006-07		2007-08		2008-09		2009-10	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
A. Primary Source												
Groundnut	67.74	15.58	79.93	18.38	48.64	11.19	91.82	21.12	71.68	16.48	54.29	12.49
Rapeseed & Mustard	75.93	23.54	81.31	25.21	74.38	23.05	58.34	18.08	72.01	22.32	66.08	20.48
Soybean	68.77	11.00	82.74	13.24	88.51	14.16	109.68	17.55	99.05	15.85	99.65	15.94
Sunflower	11.87	3.92	14.39	4.75	12.28	4.05	14.63	4.83	11.58	3.82	8.51	2.81
Sesamum	6.74	2.09	6.41	1.99	6.18	1.92	7.57	2.35	6.40	1.98	5.88	1.82
Nigerseed	1.12	0.34	1.08	0.32	1.21	0.36	1.1	0.33	1.17	0.35	1.00	0.30
Safflower	1.74	0.52	2.29	0.69	2.40	0.72	2.25	0.68	1.89	0.57	1.79	0.54
Castor	7.93	3.17	9.91	3.96	7.62	3.05	10.53	4.21	11.71	4.68	10.09	4.04
Linseed	1.70	0.51	1.73	0.52	1.68	0.50	1.63	0.49	1.69	0.51	1.54	0.46
Sub Total	243.54	60.67	279.79	69.06	242.89	59.00	297.55	69.64	277.18	66.56	248.83	58.88
B. Secondary Source												
Coconut		5.50		4.20		4.50		4.50		4.50		4.50
Palm Oil												
Cottonseed		4.30		5.70		6.30		8.00		7.60		8.00
Ricebran		6.20		6.80		7.00		7.20		7.70		7.20
Solvent Extracted Oils		3.50		4.30		3.50		4.00		4.00		4.20
Tree & Forest Origin		0.80		1.30		1.20		1.20		1.20		1.20
Sub Total		20.30		22.30		22.50		24.90		25.20		25.10
Total(A+B)		80.97		91.36		81.50		94.54		91.56		83.98
C. Less: Exports & Industrial Use		8.50		8.20		7.80		8.00		7.00		4.52
D. Net Domestic Availability of Edible Oils		72.47		83.16		73.70		86.54		84.56		79.46
E. Import of Edible Oils \$		45.42		42.88		47.15		56.08		81.83		88.23
F. Total Availability/ Consumption of Edible Oils		117.89		126.04		120.85		142.62		166.39		167.69

(Contd.)

(Quantity in Lakh Tonnes)

Oilseeds / Oils	2010-11		2011-12		2012-13		2013-14		2014-15		2015-16		2016-17*	
	Oilseeds (14)	Oils (15)	Oilseeds (16)	Oils (17)	Oilseeds (18)	Oils (19)	Oilseeds (20)	Oils (21)	Oilseeds (22)	Oils (23)	Oilseeds (24)	Oils (25)	Oilseeds (26)	Oils (27)
A. Primary Source														
Groundnut	82.65	19.01	69.64	16.02	46.95	10.80	97.14	22.34	74.02	17.02	67.71	15.36	75.65	17.16
Rapeseed & Mustard	81.79	25.35	66.04	20.47	80.29	24.89	78.77	24.42	62.82	19.47	68.21	21.16	79.77	24.74
Soybean	127.36	20.38	122.14	19.54	146.66	23.47	118.6	18.97	103.74	16.60	85.92	13.76	137.94	22.10
Sunflower	6.51	2.15	5.16	1.70	5.44	1.80	5.04	1.66	4.34	1.43	3.31	1.10	2.41	0.80
Sesamum	8.93	2.77	8.10	2.51	6.85	2.12	7.15	2.21	8.68	2.57	8.66	2.70	7.84	2.45
Nigerseed	1.08	0.32	0.98	0.29	1.02	0.31	0.98	0.29	0.76	0.23	0.77	0.22	0.83	0.24
Safflower	1.50	0.45	0.98	0.44	1.09	0.33	1.13	0.31	0.90	0.27	0.64	0.18	0.78	0.22
Castor	13.50	5.40	22.95	9.18	19.64	7.86	17.27	6.91	18.70	7.48	16.50	5.80	14.21	4.99
Linseed	1.47	0.44	1.52	0.46	1.49	0.45	1.41	0.41	1.55	0.47	1.32	0.34	1.54	0.39
Sub Total	324.79	76.27	297.98	70.61	309.43	72.03	327.49	77.52	275.51	65.54	253.04	60.62	320.97	73.09
B. Secondary Source														
Coconut	4.00	4.00	-	4.00	-	3.90	-	5.30	-	4.80	-	4.32	-	5.20
Palm Oil														
Cottonseed	10.89	-	-	11.62	-	11.57	-	12.40	-	12.15	-	10.05	-	12.24
Ricebran	7.20	-	-	7.50	-	7.8	-	8.10	-	9.2	-	9.9	-	10.31
Solvent Extracted Oils	4.20	-	-	4.10	-	4.10	-	3.10	-	3.00	-	3.5	-	2.85
Tree & Forest Origin	1.20	-	-	1.20	-	1.20	-	1.20	-	1.6	-	1.5	-	1.5
Sub Total	27.49	-	-	28.42	-	28.57	-	30.10	-	30.75	-	29.27	-	34.4
Total(A+B)	103.760	-	99.03	-	100.60	-	107.62	-	96.29	-	89.89	-	89.89	107.49
C. Less: Exports & Industrial Use	5.94	-	9.46	-	8.41	-	8.41	-	7.10	-	5.94	-	5.5	6.5
D. Net Domestic Availability of Edible Oils	97.82	-	89.57	-	92.19	-	101.90	-	92.06	-	86.37	-	86.37	100.99
E.Import of Edible Oils \$	72.42	-	99.43	-	106.05	-	109.76	-	138.53	-	148.2	-	148.2	153.11
F. Total Availability/Consumption of Edible Oils	170.24	-	189.00	-	198.24	-	211.66	-	230.59	-	234.57	-	234.57	254.1

Source: Directorate of Vanaspathi, Vegetable Oils and Fats

* 4th Advance Estimates (released by Ministry of Agriculture and Farmers Welfare on 16.08.2017)

§ Directorate General of Commercial Intelligence & Statistics (Department of Commerce)

Table 4.27: State wise Quantity of Crude Palm Oil (CPO) under Oil Palm Development Programme (OPDP)

State (1)	(Quantity in Tonnes)										
	2007-08 (2)	2008-09 (3)	2009-10 (4)	2010-11 (5)	2011-12 (6)	2012-13 (7)	2013-14 (8)	2014-15 (9)	2015-16 (10)	2016-17(P) (11)	
Andhra Pradesh	38000	43593	57402	63487	97987	127570	161566	170478	193562	190854	
Karnataka	1037	1170	1118	1459	1740	1770	1736	2176	2538	2051	
Tamil Nadu	273	366	365	486	759	1035	820	1019	1222	1115	
Gujarat	NA	0	0	0	0	0	0	0	NA	NA	
Odisha	NA	476	589	871	2162	443	558	557	618	NA	
Goa	342	393	279	329	394	372	371	388	581	NA	
Tripura	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Assam	0	0	0	0	0	0	0	0	0	0	
Kerala	5750	7400	6600	6900	7500	7378	6303	6515	7015	5929	
Andaman & Nicobar	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Mizoram	0	0	0	0	0	0	0	365	496	626	
Telangana	0	4770	5100	5655	8494	6825	9373	10012	12499	19979	
Total	45403	58167	71453	79187	110541	138567	180727	191510	218531	220554	

Source: Department of Agriculture, Cooperation & Farmers Welfare

P Provisional

NA- Not Available

Table 4.28(a): State-wise Production of Oil Palm Fresh Fruit Bunches

State (1)	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17(P)
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	226200	259495	347892	385009	573024	790881	933981	1007553	1147780	1136579
Karnataka	5763.65	6685	6387	8337	9942	10112	9917	12638	14740	11912
Tamil Nadu	1659.2	1987	2080	2920	4743	5244	5495	6568	7810	7422
Gujarat	12.36	2	6	26	91	134	158	409	523	853
Odisha	0	2799	3464	5128	12720	2920	3639	3769	4569	4965
Goa	1935.58	2236	1591	1878	2229	2056	2046	2146	3217	NA
Tripura	NA	0	NA	NA	NA	0	0	NA	NA	NA
Assam	0	0	0	0	0	0	0	0	0	0
Kerala	29300	38400	35100	41000	43200	41350	38350	40798	40611	34198
Andaman & Nicobar	NA	NA	NA	NA	NA	0	0	NA	NA	NA
Mizoram	0	2	32	88	480	1339	1544	2096	3780	4796
Telangana	0	28190	29937	32176	46779	38624	52752	57873	75447	88549
Total	264871	339797	426488	476561	693207	892660	1047881	1133850	1298477	1289274

Source: Department of Agriculture, Cooperation & Farmers Welfare

P Provisional

NA- Not Available

Table 4.28(b): Target and Achievement of Area Expansion under Oil Palm Development Programme (OPDP) of ISOPOM, NMOOP and OPAP (Area in Hectare)

State	2012-13		2013-14		2014-15		2015-16		2016-17(P)	
	Target (2)	Achievement (3)	Target (4)	Achievement (5)	Target (6)	Achievement (7)	Target (8)	Achievement (9)	Target (10)	Achievement (11)
Andhra Pradesh	27000	12846	18081	10468	14000	9259	12500	5284	12500	6002
Karnataka	5186	2513	6173	2858	3100	1911	2000	1151	1600	966
Tamil Nadu	5866	1200	6166	1177	1600	398	1511	623	1500	801
Gujarat	1130	377	1253	454	450	281	311	573	451	452
Odisha	5000	3150	4000	2000	1246	1246	1744	1374	1260	1927
Goa	0	0	0	7	20	13	0	9	0	0
Tripura	0	0	0	0	0	0	0	0	0	0
Assam	0	0	0	0	1000	0	560	560	1500	465
Kerala	250	36	50	54	500	24	100	5	50	9
Maharashtra	250	194	306	0	0	0	0	0	0	0
Mizoram	5000	3711	5000	4532	4000	2789	3361	2981	3000	1669
Chhattisgarh	250	200	318	212	250	250	1500	1500	2500	1287
Telangana	NA	2073	NA	1421	2000	972	2000	434	3000	697
Arunachal Pradesh	0	0	0	0	0	0	1200	0	1500	573
Nagaland	0	0	0	0	0	0	550	140	1200	1033
Total	49932	26300	41347	23183	28166	17143	27337	14634	30061	15881

Source: Department of Agriculture, Cooperation & Farmers Welfare

P - Provisional NA - Not Available

ISOPOM: Integrated Scheme of Oilseeds, Pulses, Maize and Oil Palm

NMOOP: National Mission on Oilseeds and Oil Palm

OPAP: Oil Palm Area Expansion

Table 4.28(c): State-wise potential area and are covered under Oil Palm Cultivation upto 2016-17
(Area in Hectare)

State	Potential area	Total Cultivated Area up to March, 2017
(1)	(2)	(3)
Andhra Pradesh	419500	156532
Karnataka	260000	42397
Tamil Nadu	205000	30311
Gujarat	260250	5721
Odisha	56000	20772
Goa*	2000	953
Tripura*	7000	530
Assam	25000	1035
Kerala	6500	5778
Maharashtra*	180000	1474
Andaman & Nicobar*	3000	1593
Mizoram	61000	27410
Chhattisgarh	48000	3449
Telangana	50000	16899
Arunachal Pradesh	25000	573
Nagaland	50000	1173
West Bengal	25000	0
Meghalaya	50000	0
Bihar	200000	0
Total	1933250	316600

Source: Department of Agriculture, Cooperation & Farmers Welfare

* NMOOP is not being implemented.

4 (B) Yield Rates of Principal Crops

Table 4.11 : All-India Estimates of Yield of Major Crops

Crops (1)	Season (2)	Yield (Kg/ hectare)													
		2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)	2011-12 (9)	2012-13 (10)	2013-14 (11)	2014-15 (12)	2015-16 (13)	2016-17* (14)		
Rice	Autumn	1349	2804	2892	3107	2186	1776	1938	NA	2158	1645	NA	NA		
	Winter	1795	2000	1892	1968	1939	2338	2257	NA	NA	2310	NA	NA		
	Kharif	2199	1963	2138	2054	2053	2050	2399	NA	2434	2335	NA	NA		
	Total Kharif	1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2475		
	Rabi/Summer	3127	3130	3149	3010	3055	3173	3238	3353	3232	3291	3382	3242		
	Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2550		
Wheat	Rabi	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3216		
Jowar	Kharif	1082	992	1176	1055	853	1119	1257	1171	1050	1014	850	960		
	Rabi	726	727	894	904	865	827	741	644	896	808	615	847		
	Total	880	844	1021	962	860	949	957	850	957	884	697	889		
Bajra	Kharif	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1311		
Maize	Kharif	1799	1660	2122	2048	1740	2285	2234	2246	2346	2249	2236	2376		
	Rabi/Summer	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3985		
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2664		
Ragi	Kharif	1534	1226	1552	1477	1489	1705	1641	1392	1661	1706	1601	1347		
Small Millets	Kharif	443	475	530	491	460	553	565	578	630	654	601	711		
Barley	Rabi	1938	2055	1985	2394	2172	2357	2516	2521	2718	2280	2439	2607		
Coarse Cereals	Kharif	1178	1144	1410	1371	1119	1500	1563	1583	1619	1633	1544	1710		
	Rabi	1152	1316	1510	1735	1525	1641	1689	1725	2034	1915	1686	2033		
	Total	1172	1182	1431	1459	1212	1531	1590	1617	1717	1703	1579	1784		

(Contd.)

Crops	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Cereals	Kharif	1693	1706	1846	1841	1693	1893	2056	2116	2089	2081	2065	2223
	Rabi	2427	2526	2645	2721	2649	2800	2969	2931	2995	2681	2862	3053
	Total	1968	2020	2151	2183	2075	2256	2415	2449	2462	2331	2393	2564
Tur (Arhar)	Kharif	765	650	826	671	711	655	662	776	813	729	646	885
	Kharif	300	349	429	376	244	536	474	477	439	476	385	403
	Rabi	808	845	762	895	915	895	928	1036	960	889	840	973
	Total	610	611	567	642	658	592	669	752	753	771	766	861
Pulses	Kharif	456	449	557	478	397	578	541	594	580	573	489	657
	Rabi	727	751	688	804	823	790	831	934	891	843	796	895
	Total	598	612	625	659	630	691	699	789	764	728	656	779
Foodgrains	Kharif	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1913
	Rabi	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2342	2467
	Total	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2042	2153

*4th Advance Estimates.

NA: Not Available.

Source: Directorate of Economics & Statistics, DAC&FW

Table 4.1.2 : Kharif Foodgrains: State-wise yield

State/UT (1)	Yield (Kg/ hectare)											
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)
Andhra Pradesh	2167	2073	2630	2466	1978	2143	2449	2569	2299	2352	2387	2557
Arunachal Pradesh	1201	1204	1234	1249	1568	1674	1780	1803	1818	1915	1476	#
Assam	1409	1210	1283	1514	1647	1783	1673	1875	1885	1936	1924	1979
Bihar	1096	1469	1197	1574	1145	1118	2152	2263	1758	1966	2111	2264
Chhattisgarh	1212	1236	1335	1100	1048	1539	1481	1633	1664	1562	1431	1979
Goa	2793	2440	2254	2454	2131	2452	2564	2583	2814	2902	2818	#
Gujarat	1238	1037	1380	1311	1204	1374	1403	1631	1547	1715	1668	1680
Haryana	2214	2466	2629	2283	2428	2323	2609	2801	2837	2714	2697	2783
Himachal Pradesh	1652	2044	2448	2008	1650	2037	2160	2002	2017	1842	2274	2418
Jammu & Kashmir	1656	1691	1710	1935	1611	1713	1706	2161	1877	1436	1894	1776
Jharkhand	1077	1595	1772	1785	1344	1250	1881	1941	1969	1957	1592	1957
Karnataka	1934	1470	1670	1682	1526	1940	1882	1732	1814	1933	1735	1532
Kerala	2214	2329	2227	2348	2456	2329	2588	2474	2497	2712	2681	2522
Madhya Pradesh	963	792	903	931	902	957	1115	1279	1264	1413	1537	1608
Maharashtra	1077	1093	1272	1084	1085	1329	1374	1281	1412	1104	920	1469
Manipur	2241	2241	2348	2285	1832	2371	2541	2264	2131	2360	2565	#
Meghalaya	1405	1632	1556	1599	1623	1616	1688	1745	2193	2361	2385	#
Mizoram	1745	767	263	887	1014	1223	1351	1779	1503	1609	1650	#
Nagaland	1614	1503	1589	1846	1264	1965	1974	2029	2083	2130	1628	#
Odisha	1346	1352	1486	1342	1385	1410	1258	1575	1582	1730	1290	1895

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	3765	3792	3952	3961	3960	3804	3735	3970	3939	3822	3952	3976
Rajasthan	505	637	820	804	376	864	844	890	789	1000	751	846
Sikkim	1403	1403	1451	1397	1588	1523	1516	1547	1585	1586	1512	#
Tamil Nadu	2025	2805	2347	2344	2671	2598	3440	2336	2765	2920	3415	2443
Telanganana	-	-	-	-	-	-	-	-	-	2419	2197	2194
Tripura	2169	2433	2549	2684	2639	2545	2542	2664	2637	2753	2701	#
Uttar Pradesh	1697	1628	1784	1904	1761	1827	2057	2142	2130	1855	1873	2004
Uttarakhand	1551	1606	1633	1580	1577	1535	1670	1693	1725	1796	1828	1853
West Bengal	2350	2356	2302	2415	2371	2457	2520	2551	2559	2495	2698	2737
A & N Islands	2879	2870	3013	2802	2947	2843	2878	2713	2029	2077	2203	#
D & N Haveli	1545	1545	1545	1529	1018	1637	1544	1664	1607	1601	2169	#
Delhi	2054	2492	2372	2403	2210	2365	2279	2308	3435	2995	2341	#
Daman & Diu	2056	2056	1739	2054	1652	1609	1650	1669	1754	2621	1184	#
Puducherry	2372	2372	2488	2308	2459	2558	2488	2794	3535	2737	2493	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2459
All India	1511	1522	1645	1654	1496	1669	1821	1892	1864	1862	1808	1913

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.3 : Rabi Foodgrains: State-wise yield

State/UT (1)	Yield (Kg/ hectare)											
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)
Andhra Pradesh	2669	2452	2590	3123	2677	3052	2622	2805	3108	2966	2744	2675
Arunachal Pradesh	1390	1402	1348	1340	1491	1653	1744	1496	1504	1626	1481	#
Assam	1446	1594	1774	1704	1726	1684	1829	2293	2029	2333	2274	2303
Bihar	1563	1876	1966	1991	1943	1826	2035	2480	2310	1961	2318	2461
Chhattisgarh	572	661	708	702	770	786	797	857	729	1000	775	1010
Goa	1067	1383	1892	1042	1093	1063	839	2073	2462	2098	2663	#
Gujarat	2298	2123	2660	2117	2308	2581	2542	2510	2755	2434	2552	2410
Haryana	3651	4066	3983	4209	4079	4448	4782	4263	4514	3887	4285	4452
Himachal Pradesh	1813	1373	1377	1498	929	1532	1654	1696	1907	1953	1964	2074
Jammu & Kashmir	1740	1829	1713	1671	980	1490	1656	1550	1990	970	1907	1593
Jharkhand	1016	1173	1162	1246	1258	1296	1389	1540	1543	1447	1302	1461
Karnataka	1464	980	1301	1231	1139	1236	1154	1111	1270	1278	808	858
Kerala	2268	2338	2197	2754	2517	2625	3052	2772	2634	3191	2994	2836
Madhya Pradesh	1234	1398	1174	1306	1475	1271	1711	1874	1765	2095	2159	2129
Maharashtra	778	827	992	915	988	1019	853	719	991	864	628	1097
Manipur		3273		510	510	996	1224	1822	1645	1277	1272	#
Meghalaya	1886	1587	3463	3138	3163	3163	3228	3826	3872	3500	3512	#
Mizoram	1939	1174	1286	1263	2038	1902	1992	1435	1551	1571	981	#
Nagaland	1622	1414	1188	1304	1077	1528	1528	1978	1475	1512	1415	#
Odisha	1372	4197	1467	1520	1496	1588	1661	1713	1935	1797	1613	1834

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	4165	2224	4495	4452	4298	4683	4888	4661	4972	4252	4547	4674
Rajasthan	1998	1142	2013	2370	2456	2115	2390	2458	2221	2362	2633	2387
Sikkim	1142	1923	940	1119	1024	942	1042	1027	1043	1045	1065	#
Tamil Nadu	1203	2304	1437	1817	1827	1759	2317	1499	2032	2264	2229	1379
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	3408	2813	3228
Tripura	2272	2392	2599	2183	2344	2713	2872	2869	2827	2869	2993	#
Uttar Pradesh	2327	1946	2534	2714	2561	2809	2827	2840	2747	2057	2451	2806
Uttarakhand	1544	2858	1969	1880	2022	2217	2291	2302	2323	1830	2188	2470
West Bengal	2593	500	2994	2665	2855	2881	2953	3126	3098	3142	3087	3088
A & N Islands	500	975	571	571	606	442	575	508	807	538	828	#
D & N Haveli	975	4333	975	974	953	1046	1068	1139	1130	1147	4699	#
Delhi	4290	846	4347	4343	4362	4325	4344	4412	4408	4416	4399	#
Daman & Diu	846	1785	846	846	846	846	NA	NA	NA	NA	NA	#
Puducherry	1785	2091	1455	1973	1935	1920	1545	2309	2710	3445	1848	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1936
All India	2020	2091	2174	2263	2202	2278	2430	2431	2435	2232	2342	2467

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.4 : Total Foodgrains: State-wise yield

State/UT (1)	Yield (Kg/ hectare)											
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)
Andhra Pradesh	2365	2231	2613	2744	2294	2530	2519	2670	2661	2648	2571	2610
Arunachal Pradesh	1212	1216	1241	1255	1555	1673	1778	1786	1794	1889	1477	#
Assam	1416	1286	1378	1551	1662	1763	1704	1962	1916	2021	1997	2049
Bihar	1311	1656	1546	1766	1530	1479	2098	2366	2018	1964	2208	2355
Chhattisgarh	1111	1148	1238	1041	1008	1424	1384	1506	1524	1474	1334	1827
Goa	2509	2254	2091	2231	1990	2264	2272	2361	2659	2545	2767	#
Gujarat	1551	1423	1831	1595	1560	1843	1874	1970	2097	2016	2000	1953
Haryana	3045	3393	3420	3388	3383	3526	3879	3689	3855	3427	3648	3735
Himachal Pradesh	1731	1714	1918	1757	1297	1787	1911	1850	1962	1896	2122	2249
Jammu & Kashmir	1680	1733	1711	1851	1405	1639	1690	1962	1915	1275	1898	1717
Jharkhand	1073	1550	1709	1720	1330	1257	1798	1876	1891	1871	1546	1860
Karnataka	1776	1289	1548	1511	1377	1684	1629	1488	1620	1689	1354	1323
Kerala	2219	2331	2221	2440	2470	2399	2695	2547	2530	2823	2756	2597
Madhya Pradesh	1130	1167	1069	1168	1285	1162	1510	1676	1603	1856	1941	1937
Maharashtra	948	940	1150	1001	1039	1184	1155	1038	1207	988	781	1298
Manipur	2241	2241	2297	2236	1796	2244	2397	1926	1745	1509	1468	#
Meghalaya	1455	1800	1774	1783	1809	1803	1873	1997	2387	2532	2555	#
Mizoram	1754	822	285	898	1047	1246	1382	1756	1506	1607	1595	#
Nagaland	1615	1482	1567	1811	1256	1958	1967	2027	2018	2065	1606	#
Odisha	1349	1369	1484	1363	1262	1432	1303	1592	1625	1738	1330	1888

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	3986	1359	4255	4231	4144	4280	4364	4347	4500	4054	4269	4360
Rajasthan	919	4017	1180	1263	931	1249	1348	1480	1334	1529	1390	1367
Sikkim	1354	991	1378	1351	1496	1448	1495	1608	1577	1579	1506	#
Tamil Nadu	1847	1354	2125	2225	2477	2393	3162	2131	2554	2720	3063	2084
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	2723	2353	2545
Tripura	2194	2610	2563	2526	2544	2587	2620	2711	2680	2783	2775	#
Uttar Pradesh	2057	2399	2206	2365	2236	2386	2498	2542	2484	1972	2198	2467
Uttarakhand	1548	2057	1785	1715	1780	1841	1945	1962	1995	1811	1989	2131
West Bengal	2423	1760	2525	2493	2522	2601	2645	2717	2721	2698	2823	2854
A & N Islands	2713	2511	2485	2343	2399	2282	2512	2413	1930	1783	1926	#
D & N Haveli	1445	2746	1445	1434	1006	1533	1453	1585	1534	1531	2176	#
Delhi	3175	1445	3340	3348	3649	3647	3567	3531	4057	3908	3650	#
Daman & Diu	1548	3405	1417	1740	1361	1333	1650	1669	1754	2621	1184	#
Puducherry	2180	1548	2130	2201	2297	2351	2269	2650	3043	2899	2271	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2278
All India	1715	1756	1860	1909	1798	1930	2078	2129	2120	2028	2042	2153

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.5 : Rice: State wise Yield

State/UT	Season	Yield (Kg/ hectare)												
		2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
Andhra Pradesh	Kharif	2525	2631	3177	2990	2742	2570	2980	2882	2552	2594	2934	3194	
	Rabi	3659	3682	3651	3700	3543	3777	3543	3806	3496	3943	4440	4434	
	Total	2939	2984	3344	3246	3062	3035	3148	3173	2921	3022	3465	3539	
Arunachal Pradesh	Kharif	1195	1195	1275	1293	1777	1925	2065	2086	2092	2241	1584	#	
	Autumn	999	887	983	1069	966	1137	1217	1296	1753	1431	-	-	
Assam	Winter	1520	1302	1359	1616	1796	1910	1757	1968	1921	1975	-	-	
	Kharif Total	1421	1218	1293	1525	1662	1799	1688	1892	1903	1923	1915	1972	
Bihar	Summer	1779	2019	2266	2133	2185	2082	2297	2965	2572	2940	2818	2970	
	Total	1468	1332	1428	1614	1737	1843	1780	2061	2012	2093	2062	2134	
	Autumn	940	962	635	1331	947	896	1399	1521	1142	1194	-	-	
Chattisgarh	Winter	1090	1584	1332	1647	1132	1100	2322	2420	1865	2108	-	-	
	Kharif Total	1064	1486	1226	1596	1101	1063	2160	2268	1741	1941	2095	2268	
	Summer	1369	1499	1561	1689	1737	2085	1912	2719	2342	2207	2472	2340	
Goa	Total	1075	1486	1237	1599	1120	1095	2155	2282	1759	1948	2104	2270	
	Kharif	1337	1354	1446	1176	1120	1663	1597	1746	1766	1660	1517	2101	
	Autumn	2866	2406	2277	2335	1900	2358	2521	2599	2828	2919	-	-	
Gujarat	Winter	2731	2566	2430	2752	2600	2677	2688	2853	3202	2777	-	-	
	Total Kharif	2822	2458	2330	2466	2136	2467	2577	2679	2954	2871	2830	#	
	Kharif	1949	1799	1895	1698	1866	1956	2024	2095	2038	2297	2148	2238	
Summer	-	-	2970	3080	3048	908	3190	4586	3000	3129	3548	3273		

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Total	1949	1894	1942	1744	1903	1852	2141	2198	2076	2329	2205	2306
Haryana	Khharif	3051	3238	3361	2726	3008	2789	3044	3272	3256	3113	3061	3213
Himachal Pradesh	Khharif	1412	1559	1546	1523	1381	1673	1705	1629	1625	1728	1763	1968
Jammu & Kashmir	Khharif	2150	2194	2133	2186	1914	1942	2078	3126	2250	1871	2123	2139
Jharkhand	Autumn	628	-	-	-	-	-	2131	2238	2238	-	-	-
	Winter	1223	-	-	-	-	-	NA	NA	NA	-	-	-
	Khharif Total	1150	1832	2024	2036	1547	1541	2131	2238	2238	2238	1814	2238
	Rabi	-	-	1000	1504	1504	-	NA	NA	NA	-	-	-
	Total	1150	1828	2018	2031	1546	1541	2131	2238	2238	2238	1814	2238
Karnataka	Khharif	3657	2402	2545	2412	2345	2705	2717	2545	2545	2573	2704	2487
	Rabi	3200	2227	2100	2146	2237	2189	2186	1588	1588	2458	2850	3031
	Summer	4574	2761	2948	2883	2945	2838	3227	3381	3433	3058	-	-
	Rabi/ Summer	4423	2690	2855	2805	2875	2759	3077	3030	3077	2969	-	-
	Total	3868	2470	2625	2511	2482	2719	2793	2632	2666	2670	2722	2522
Kerala	Autumn	2162	2264	2169	2428	2486	2415	2519	2548	2625	2890	-	-
	Winter	2299	2408	2371	2370	2533	2348	2675	2451	2426	2596	-	-
	Khharif Total	2246	2352	2286	2395	2514	2377	2609	2492	2511	2719	2698	2526
	Summer	2726	2622	2407	2980	2719	2689	3155	2847	2682	3234	3094	2913
	Total	2284	2390	2310	2519	2557	2452	2733	2577	2551	2836	2790	2616
Madhya Pradesh	Khharif	999	824	938	927	872	1106	1340	1474	1474	1684	1752	1840
Maharashtra	Khharif	1770	1669	1898	1489	1474	1766	1837	1965	1924	1880	1711	2043

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Rabi	2098	2105	2128	2273	2250	2219	2074	1897	2289	2581	2375	2414
	Total	1779	1680	1903	1501	1485	1776	1841	1963	1934	1899	1725	2059
Manipur	Kharif	2322	2322	2446	2357	1889	2453	2642	2546	2201	2678	2670	#
Meghalaya	Kharif	1432	1695	1602	1651	1673	1671	1752	1807	2241	1308	2460	#
	Rabi	2214	4000	4147	3641	3679	3705	3762	4510	4326	1488	4608	#
	Total	1508	1916	1880	1886	1910	1912	1988	2125	2493	2436	2726	#
Mizoram	Kharif	1770	510	285	882	938	1160	1392	2091	1521	4603	1659	#
	Rabi	2600	1682	1000	2000	1500	N.A	3000	1933	1600	2703	2550	#
	Total	1778	559	288	885	939	1160	1411	2088	1522	1634	1671	#
Nagaland	Kharif	1682	1600	1685	1994	1426	2102	2106	2204	2260	2319	1581	#
	Autumn	872	1011	1097	1040	900	831	778	948	762	820	-	-
	Winter	1623	1580	1750	1541	1635	1658	1433	1849	1857	2076	-	-
	Kharif Total	1482	1476	1633	1455	1512	1516	1340	1715	1697	1886	1373	2075
	Summer	2163	2293	2447	2451	2713	2959	3213	3165	3422	3342	3356	3462
	Total	1531	1534	1694	1529	1585	1616	1450	1814	1821	1992	1491	2162
Punjab	Kharif	3858	3868	4019	4022	4010	3828	3741	3998	3952	3838	3974	3998
Rajasthan	Kharif	1425	1577	2031	1807	1515	2025	1886	1771	2147	2186	2022	2289
	Kharif	1433	1433	1636	1476	1869	1727	1730	1790	1815	1818	1230	#
Tamil Nadu	Autumn	3655	4914	4044	3850	4406	4362	5623	3893	4448	4578	-	-
	Winter	2338	3144	2587	2464	2820	2792	3599	2492	2848	2931	-	-
	Kharif Total	2483	3339	2748	2617	2994	2965	3821	2646	3024	3113	3666	2728

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Summer	3216	4325	3559	3389	3878	3838	4950	3426	3916	4031	4745	3531
	Total	2546	3423	2817	2683	3070	3040	3918	2772	3100	3191	3758	2796
Telangana	Kharif	-	-	-	-	-	-	-	-	-	2990	2933	2992
	Rabi/Summer	-	-	-	-	-	-	-	-	-	3414	2862	3169
	Total	-	-	-	-	-	-	-	-	-	3138	2913	3075
	Autumn	1705	1915	2172	2465	2189	2424	2432	2548	2596	2690	-	-
	Winter	2384	2678	2687	2788	2772	2638	2647	2773	2773	2873	-	-
	Kharif Total	2225	2500	2609	2747	2698	2602	2611	2736	2743	2843	2882	#
	Summer	2372	2392	2698	2234	2409	2817	2992	3020	2995	3087	3130	#
	Total	2260	2472	2633	2586	2606	2655	2700	2800	2800	2903	2946	#
Uttar Pradesh	Kharif	1996	1878	2062	2171	2083	2120	2357	2459	2446	2070	2130	2293
	Rabi/Summer	2179	2278	2526	2091	2270	2316	2458	2583	2593	2500	2720	2720
	Total	1996	1879	2063	2171	2084	2120	2358	2460	2447	2072	2133	2295
	Kharif	1925	1952	1993	1907	2025	1820	2056	2152	2233	2260	2341	2329
	Zaid/Rabi	2889	2875	3308	3067	2813	3309	3357	3208	3327	3148	3845	3867
	Total	1954	1979	2052	1966	2068	1901	2121	2206	2289	2307	2420	2418
West Bengal	Autumn	2102	2026	2009	2069	2181	2138	2213	2297	2612	2278	-	-
	Winter	2397	2411	2350	2465	2408	2507	2565	2596	NA	2536	-	-
	Kharif Total	2378	2386	2327	2439	2396	2485	2547	2581	2612	2526	2735	2780
	Summer	2928	3226	3259	2800	2991	3039	3174	3372	3366	3377	3380	3393
	Total	2509	2593	2573	2533	2547	2639	2688	2760	2788	2730	2888	2933

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
A & N Islands	Khariif	2896	2896	3000	2797	3059	2851	2960	2739	2029	2040	2203	#
D & N Haveli	Khariif	1743	1743	1743	1721	1076	1930	1739	1928	1876	1867	2333	#
Delhi	Khariif	3200	4203	4243	4243	2834	2787	2885	2935	4906	4288	2862	#
Daman & Diu	Khariif	2056	2056	1750	2111	1650	1650	1650	1712	1805	2270	1139	#
Paducherry	Autumn	2810	2810	2932	2733	2903	2875	3017	3270	3554	3247	-	-
	Winter	2195	2195	2465	2142	2272	2435	2273	2602	2867	2928	-	-
	Khariif Total	2387	2387	2595	2310	2458	2561	2490	2792	3056	3020	2584	#
	Summer	2719	2719	2696	2860	2647	2712	2886	3075	3438	3621	3057	#
	Total	2465	2465	2618	2442	2504	2596	2538	2857	3147	3164	2698	#
Others	Khariif	-	-	-	-	-	-	-	-	-	-	-	2684
	Rabi	-	-	-	-	-	-	-	-	-	-	-	1794
	Total	-	-	-	-	-	-	-	-	-	-	-	2372
All India	Autumn	1349	2804	2892	3107	2186	1776	1938	1674	1891	1645	-	-
	Winter	1795	2000	1892	1968	1939	2338	2257	2283	2219	2310	-	-
	Khariif	2199	1963	2138	2054	2053	2051	2399	2477	2434	2335	-	-
	Khariif Total	1990	2024	2095	2082	2019	2121	2311	2373	2319	2295	2305	2475
	Summer/rabi	3127	3130	3149	3010	3055	3176	3238	3353	3232	3291	3382	3242
	Total	2102	2131	2202	2178	2125	2239	2393	2461	2416	2391	2400	2550

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.6 : Wheat: State-wise Yield

State/UT (1)	Yield (Kg/ hectare)											
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)
Andhra Pradesh	818	900	889	1143	1000	1300	1375	1250	500	NA	NA	NA
Arunachal Pradesh	1525	1575	1472	1576	1505	1595	1757	1498	1510	1974	1969	#
Assam	1074	1117	1268	1090	1087	1179	1147	1304	1292	1216	1634	1192
Bihar	1617	1908	2058	2043	2084	1948	2206	2427	2358	1851	2244	2427
Chhattisgarh	886	1002	1059	1040	1086	1144	1227	1396	1304	1388	1270	1391
Gujarat	2700	2498	3013	2377	2679	3155	3014	2875	3255	2751	2919	2751
Haryana	3844	4232	4158	4390	4213	4624	5030	4452	4722	3981	4407	4514
Himachal Pradesh	1894	1385	1376	1520	928	1530	1671	1671	1873	1957	1958	2033
Jammu & Kashmir	1790	1893	1782	1735	1003	1535	1689	1595	2061	979	1947	1615
Jharkhand	1340	1529	1621	1541	1738	1642	1908	1944	2123	1931	1835	2027
Karnataka	858	762	946	918	887	1094	858	796	1005	1318	897	1018
Madhya Pradesh	1613	1835	1612	1723	1967	1757	2360	2478	2405	2850	2993	2976
Maharashtra	1393	1325	1659	1483	1610	1761	1558	1528	1460	1226	1077	1558
Meghalaya	1714	2000	1833	1750	1773	1791	1564	1806	1881	1909	1953	#
Nagaland	1583	867	1067	1500	1200	1712	1711	1801	1823	1824	1831	#
Odisha	1364	1487	1554	1396	1450	1458	1644	1894	1574	1650	1324	1469
Punjab	4179	4210	4507	4462	4307	4693	4898	4724	5017	4294	4583	4704
Rajasthan	2762	2751	2749	3175	3133	2910	3175	3028	3083	2961	3175	3175
Sikkim	1385	1385	1000	1345	1135	1023	1060	1058	1083	1077	1094	#
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1167	1696	1600

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Tripura	2636	1800	1900	2000	1984	2025	2000	2000	2000	2143	2236	#
Uttar Pradesh	2627	2721	2817	3002	2846	3113	3113	3113	3038	2277	2636	3113
Uttarakhand	1633	2049	2050	2003	2139	2316	2379	2396	2422	1881	2258	2564
West Bengal	2109	2282	2602	2490	2680	2760	2765	2786	2791	2807	2825	2818
D & N Haveli	1833	1833	1833	1833	1500	2231	1929	2000	2000	2071	2500	#
Delhi	4339	4341	4354	4351	4352	4340	4349	4406	4418	4419	4419	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	4508
All India	2619	2708	2802	2907	2839	2989	3177	3117	3145	2750	3034	3216

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.17 : Bajra: State-wise Yield

State/UT (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	1012	770	1243	1017	1178	1507	1349	1657	1597	1357	1806	1738	
Bihar	1070	1073	1111	1200	1108	1102	1113	1142	1136	1134	1133	1135	
Gujarat	1169	1088	1419	1365	1232	1250	1419	1743	1743	1677	2004	2160	
Haryana	1147	1649	1843	1769	1593	1793	2040	1910	2057	1749	1762	2017	
Himachal Pradesh	333	500	500	500	1083	500	542	555	545	537	560	501	
Jammu & Kashmir	600	591	595	592	629	598	591	598	595	594	590	630	
Jharkhand	500	500	0	1000	574	704	520	474	515	500	528	539	
Karnataka	977	483	824	703	502	1081	972	1036	1182	1060	875	1054	
Madhya Pradesh	1491	1365	1402	1373	1495	1898	1924	1568	2003	1978	2315	2431	
Maharashtra	720	729	878	765	741	1085	982	637	1034	622	416	998	
Nagaland	1000	NA	NA	NA	NA	857	862	1015	1014	1014	1014	#	
Odisha	552	583	593	600	604	636	615	610	611	613	611	614	
Punjab	1000	1000	1000	1000	1333	1000	1000	1000	1000	NA	NA	583	
Rajasthan	556	701	832	828	394	832	915	972	818	1093	872	1001	
Tamil Nadu	1158	1511	1435	1483	1512	1564	2452	1326	2158	3077	2747	2240	
Telangana	kharif	NA	NA	NA	NA	NA	NA	NA	NA	1000	833	1000	
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	-	-	-	
Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	833	1000	
Uttar Pradesh	1434	1455	1520	1609	1638	1665	1839	1951	2033	1899	1821	1914	
West Bengal	NA	NA	NA	0	434	375	367	429	286	313	306	400	

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Puducherry	2500	2500	1000	1000	1850	2324	2667	#	NA	#		#
Delhi	1824	1813	1875	1933	1917	1852	1868	1875	2513	2132	2511	#
Daman & Diu	NA	NA	NA	2000	1667	1333	NA	1361	1393	3922	1369	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2293
All India	802	886	1042	1015	731	1079	1171	1198	1184	1255	1132	1311

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.8: Maize: State-wise Yield

State/UT	Season	Yield (Kg/ hectare)												
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif	3538	2402	3147	1986	3730	2812	4145	3487	3290	3680	4151		
	Rabi	5994	6195	7302	6281	7615	6502	6174	6558	7926	7184	7794		
	Total	4073	3396	4607	4873	5317	4234	4995	4833	6396	6056	6546		
Arunachal Pradesh	Kharif	1373	1363	1338	1365	1397	1434	1423	1423	1533	1532	#		
	Rabi	1474	1452	1410	1485	1690	1736	1496	1681	1684	1580	#		
	Total	1382	1371	1344	1371	1380	1473	1436	1467	1563	1542	#		
Assam	Kharif	721	778	722	724	726	719	897	898	3333	3070	3148		
	Autumn	1518	1532	956	1518	1773	1806	2476	2103	2476	2559	2526		
Bihar	Rabi	2641	3597	2766	3394	2660	2467	4309	3358	3854	4201	4309		
	Garma	2385	3249	3741	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A		
	Total	2098	2678	2274	2676	2341	2230	3611	2884	3313	3571	3631		
Chattisgarh	Kharif	1076	1225	1567	1402	1399	1807	1654	2062	1886	N/A	2165		
	Kharif	5000	5000	5000	6000	6000	N/A	N/A	N/A	N/A	N/A	#		
Gujarat	Kharif	1124	698	1375	1439	964	1636	1393	1267	1558	1326	1683		
	Rabi	N/A	N/A	N/A	1700	1593	1645	1915	2023	2000	1989	2023		
	Total	N/A	N/A	N/A	1481	1072	1637	1523	1477	1652	1478	1780		
Haryana	Kharif	2125	2286	2643	2159	2250	1900	2667	2556	3000	2250	2833	3400	
	Kharif	1839	2326	2873	2273	1839	2263	2432	2233	1979	2507	2672		
Jammu & Kashmir	Kharif	1413	1505	1569	2005	1566	1712	1608	1648	1204	1782	1632		

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Jharkhand	Autumn	1309	1203	1500	1346	1100	1181	1473	1790	2017	1768	1324	2002
	Rabi	1622	1806	1722	2123	1858	2061	1970	2689	1807	1530	1794	1714
	Total	1315	1230	1509	1407	1168	1215	1492	1812	2012	1763	1332	1992
Karnataka	Kharif	2919	2839	2893	2821	2415	3515	3022	2563	2872	3131	2734	2366
	Rabi	3000	2658	3231	2861	2500	2845	3084	3106	3099	3354	2535	2989
	Summer	2000	3125	3300	3143	2750	3323	NA	NA	NA	NA	NA	NA
Madhya Pradesh	Total	2915	2829	2924	2833	2430	3450	3028	2629	2894	3152	2713	2408
	Kharif	1450	976	1288	1361	1256	1266	1492	1790	1767	1880	2350	2468
	Kharif	2134	1996	2706	2405	2275	3022	2890	2296	2856	1868	1681	3185
Maharashtra	Rabi	1976	1924	2426	2257	2455	2456	2110	1820	2346	2558	1799	2598
	Total	2106	1983	2664	2382	2302	2920	2762	2219	2727	2045	1712	3029
	Kharif	2724	2724	2800	2674	2436	1856	1768	2301	2246	2243	2304	#
Meghalaya	Kharif	1426	1471	1468	1503	1529	1499	1529	1554	2200	2259	2284	#
	Kharif	1917	1942	69	967	1337	1502	1214	1305	1424	1521	1756	#
	Rabi	2222	2668	1000	1000	1667	1667	1238	1611	1294	1286	208	#
Mizoram	Total	1940	1963	95	969	1347	1508	1214	1314	1420	1515	1342	#
	Kharif	1800	1674	1788	1800	1075	1958	1960	1961	1969	1975	1979	#
	Kharif	1587	1655	1976	1986	2155	2540	2046	2393	2766	2039	1967	2190

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Rabi	2188	2368	2241	2609	2247	2778	2496	2793	2905	2608	2618	3217
	Total	1602	1677	1987	2007	2157	2549	2063	2408	2771	2053	1996	2216
Punjab	Kharif	2723	3123	3405	3404	3417	3692	3984	3682	3900	3651	3687	3836
Rajasthan	Kharif	1098	1085	1860	1737	1044	1796	1583	1763	1597	1740	1318	1501
	Rabi	1429	1429	1667	1429	1429	NA	3434	3844	3729	NA	3705	4681
	Total	1098	1086	1860	1736	1044	1796	1594	1780	1621	1740	1334	1564
Sikkim	Kharif	1491	1491	1601	1544	1671	1648	1657	1700	1724	1727	1754	#
Tamil Nadu	Kharif	1170	3224	2952	3668	4301	3858	5682	3554	5682	5682	7103	3847
	Rabi	1215	5047	5091	5763	5431	5452	6649	2819	5002	7500	6888	3980
	Total	1189	3838	3627	4389	4685	4458	6042	3252	5372	6423	7010	3903
Telangana	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	2699	2557	2669
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	5288	4958	5465
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	3335	3056	3241
Tripura	Kharif	1000	960	1000	952	1006	1322	1353	1295	1277	1292	1385	#
Uttar Pradesh	Kharif	1284	1326	1437	1495	1456	1468	1654	1654	1654	1778	1850	1876
	Rabi	3341	1567	1615	1621	2800	2667	1810	2015	2183	1838	1889	1980
	Total	1295	1335	1443	1499	1465	1477	1662	1677	1703	1784	1855	1889
Uttarakhand	Kharif	1333	1333	1483	1303	1357	1503	1464	1437	1419	2070	1696	1682
West Bengal	Kharif	2076	2166	2095	2658	2183	2588	2270	2384	2687	2688	2739	2714

(Contd.)

State/UT	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
	Rabi	3913	4265	4690	5106	5619	4904	4497	4923	4765	5056	5463	5043
	Summer	NA	NA	3583	4272	4587	4716	NA	#	NA	NA	NA	NA
	Total	2533	2968	3166	3783	3942	3977	3722	3947	4059	4350	4654	4373
A & N Islands	Kharif	1000	2000	4500	3000	2000	2476	2125	2000	2254	3529	2933	#
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2283
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2061
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2242
All India	Kharif	1799	1660	2122	2048	1740	2285	2234	2346	2346	2249	2236	2376
	Rabi	3076	3793	3854	4387	3694	4003	3765	4152	4050	4414	4006	3985
	Total	1938	1912	2335	2414	2024	2540	2478	2566	2676	2632	2563	2664

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

(Contd.)

Table 4.1.9 : Total Pulses: State -wise Yield

State/UT (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	772	679	803	818	740	675	637	833	928	911	848	687	
Arunachal Pradesh	1078	1078	1078	1059	1000	879	920	1076	1149	1,263	1021	#	
Assam	537	557	558	567	560	555	573	598	695	748	757	748	
Bihar	749	722	818	801	836	878	975	1052	1044	859	844	881	
Chhattisgarh	477	543	586	580	604	624	613	700	574	818	609	823	
Goa	1045	1358	991	1030	1082	1057	836	902	1102	944	754	#	
Gujarat	704	593	843	777	705	812	815	867	897	972	931	868	
Haryana	622	824	602	972	758	899	706	800	819	674	680	870	
Himachal Pradesh	713	932	1062	758	681	1213	954	1413	1763	1,232	1510	2019	
Jammu & Kashmir	504	505	508	464	456	584	508	530	535	381	639	405	
Jharkhand	567	686	736	724	709	773	885	1038	1021	1,004	886	1009	
Karnataka	487	377	531	466	451	561	492	555	641	601	403	580	
Kerala	775	857	857	818	991	778	747	1042	1091	1,131	1133	985	
Madhya Pradesh	754	780	609	808	871	656	803	972	861	876	903	938	
Maharashtra	584	602	746	537	702	768	693	704	802	602	436	828	
Manipur	523	523	497	504	497	897	942	936	933	948	964	#	
Meghalaya	750	744	825	867	881	881	896	1019	1092	1,405	1442	#	
Mizoram	1215	1160	529	900	1667	1534	1389	1061	1468	1,416	1361	#	
Nagaland	1281	1200	1189	1203	906	1085	1091	1099	1124	1,146	1150	#	
Odisha	416	445	446	481	461	486	471	513	537	532	506	543	

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	804	850	804	908	896	910	789	823	872	846	965	949
Rajasthan	261	462	401	497	204	685	546	603	593	580	515	598
Sikkim	897	897	928	937	977	899	903	915	925	925	952	#
Tamil Nadu	337	541	303	307	382	386	552	413	752	852	631	539
Telangana	-	-	-	-	-	-	-	-	-	644	508	703
Tripura	629	654	691	718	713	706	697	705	719	718	670	#
Uttar Pradesh	811	725	731	899	748	832	993	985	736	612	619	866
Uttarakhand	590	642	794	609	719	851	891	841	869	821	820	885
West Bengal	785	703	793	704	826	898	706	952	843	941	1038	958
A & N Islands	500	571	591	571	600	442	541	499	486	541	649	#
D & N Haveli	862	862	862	859	828	898	939	901	898	897	1173	#
Delhi	1000	1750	1750	2333	2000	1611	1939	2097	1500	NA	3270	#
Daman & Diu	846	846	846	846	846	846	NA	#	NA	NA	NA	#
Ponducherry	324	324	83	200	155	499	417	512	425	630	239	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1523
All India	598	612	625	659	630	691	699	789	764	728	656	779

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.10: Gram: State-wise Yield

State/UT (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	1591	1085	1448	1412	1308	1233	920	1119	1439	1143	1062	1053	
Assam	500	500	500	529	517	500	509	557	698	938	704	1000	
Bihar	902	818	972	925	1014	1187	1295	1402	1147	958	986	1091	
Chattisgarh	706	843	874	831	880	959	995	1069	771	1035	722	1069	
Gujarat	850	870	977	1011	947	1136	1138	978	1251	1236	1330	1116	
Haryana	554	843	505	1041	738	982	911	1128	904	646	619	1128	
Himachal Pradesh	538	769	933	429	523	1000	971	1021	1000	927	1047	923	
Jammu & Kashmir	500	NA	NA	667	500	545	583	542	NA	NA	NA	NA	
Jharkhand	NA	NA	NA	NA	914	1052	1067	1174	1166	1160	995	1174	
Karnataka	548	473	925	552	591	658	583	643	757	718	466	575	
Madhya Pradesh	926	980	607	981	1071	863	1081	1219	1044	1039	1115	1100	
Maharashtra	691	706	711	677	863	904	775	763	891	762	539	891	
Meghalaya	600	600	825	600	620	500	625	611	989	1033	1059	#	
Nagaland	1000	1250	600	667	667	714	720	842	838	842	844	#	
Odisha	646	652	1500	662	748	780	765	774	768	770	769	1000	
Punjab	750	1000	659	1172	1133	1286	1000	1400	1211	1056	1294	1375	
Rajasthan	443	863	1000	779	605	898	740	1019	853	725	892	899	
Tamil Nadu	678	644	466	638	614	671	643	645	653	645	653	649	
Telangana	-	-	-	-	-	-	-	-	-	1372	714	1323	
Tripura	500	1000	676	667	667	667	733	774	769	750	780	#	

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Uttar Pradesh	893	742	1000	1014	824	930	1185	1119	824	659	612	1114
Uttarakhand	1000	1000	745	0	1000	785	1000	830	786	821	846	1000
West Bengal	913	769	1000	1037	1108	1072	1049	1175	1175	1178	1192	1167
D & N Haveli	500	500	984	500	798	1000	1000	1000	1000	1000	1050	#
Delhi	1000	NA	500	NA	NA	882	7000	#	1500	-	1317	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1471
All India	808	845	762	895	915	895	928	1036	960	889	840	973

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.11: Tur: State-wise Yield

State/UT (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	609	401	652	456	438	415	303	524	542	503	600	377	
Arunachal Pradesh	1000	1000	1000	1000	833	833	879	908	1000	1091	905	#	
Assam	692	714	667	704	709	718	714	829	920	941	880	857	
Bihar	1291	989	1012	1178	1514	1404	1514	2131	1667	1438	1577	1707	
Chattisgarh	445	426	522	583	510	440	433	620	613	636	458	598	
Gujarat	1102	751	1109	989	906	986	1053	1184	995	1098	1125	1156	
Haryana	1067	1100	1138	1091	1045	1080	1111	1086	1170	1098	1000	915	
Himachal Pradesh	NA	NA	NA	NA	NA	NA	417	364	NA	500	326	375	
Jharkhand	633	645	800	616	871	686	904	1034	1042	1018	903	1043	
Karnataka	727	470	712	528	467	594	462	555	713	651	368	749	
Kerala	NA	NA	670	NA	NA	NA	1693	1588	899	1885	1289	1580	
Madhya Pradesh	739	683	922	804	851	337	625	662	716	981	1079	1133	
Maharashtra	720	726	750	600	841	750	706	819	906	600	450	951	
Meghalaya	750	750	1000	750	784	750	759	1152	1254	1278	1295	#	
Mizoram	1000	1000	1189	NA	NA	NA	NA	NA	NA	NA	NA	#	
Nagaland	950	1200	825	938	703	840	853	899	896	900	902	#	
Odisha	742	803	900	860	841	916	812	912	896	898	886	884	
Punjab	885	931	876	966	957	929	1000	903	897	923	1000	860	
Rajasthan	647	503	701	772	381	761	666	879	649	736	548	879	
Tamil Nadu	540	732	750	608	765	662	870	785	967	1064	908	726	

(Contd.)

State/UT	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Telangana	-	-	-	-	-	-	-	-	-	495	419	555
Tripura	692	750	891	700	725	750	747	749	717	722	687	#
Uttar Pradesh	987	749	667	914	662	898	1044	1045	900	606	691	1074
Uttarakhand	1000	500	818	667	1000	706	1000	799	810	902	770	1000
West Bengal	889	700	867	833	728	1423	432	1434	1429	1434	1480	900
D & N Haveli	867	867	867	867	800	801	801	800	804	805	1200	#
Delhi	1000	1500	1500	2000	1838	1750	1727	1724	NA	-	3522	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2101
All India	765	650	826	671	711	655	662	776	813	729	646	885

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.12: Total Oilseeds: State-wise Yield

State (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	698	609	1276	842	724	861	650	849	929	557	954	679	
Arunachal Pradesh	838	838	962	963	928	921	1015	909	958	971	1040	#	
Assam	465	495	523	542	526	576	557	610	611	670	694	685	
Bihar	982	1031	979	999	1042	1048	1046	1120	1189	1093	1059	1100	
Chhattisgarh	419	503	532	507	607	686	550	723	640	599	501	572	
Goa	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	2126	#	
Gujarat	1544	908	1618	1345	1109	1692	1608	1103	2231	1920	1627	1725	
Haryana	1124	1344	1214	1723	1645	1855	1394	1712	1637	1456	1589	1712	
Himachal Pradesh	344	477	442	365	271	514	579	514	490	542	520	487	
Jammu & Kashmir	429	610	846	760	763	821	826	789	895	682	599	660	
Jharkhand	311	422	553	560	563	625	680	787	663	664	681	737	
Karnataka	600	478	681	556	502	782	665	647	824	698	583	628	
Kerala	667	889	706	696	632	1032	1230	1045	980	1054	1049	1036	
Madhya Pradesh	1009	955	1015	1075	1129	1143	1073	1231	858	1093	841	1243	
Maharashtra	925	963	1274	857	725	1394	1223	1337	1276	672	579	1184	
Manipur	7000	7000	NA	778	778	774	788	729	840	863	847	#	
Meghalaya	684	673	670	676	701	704	766	695	1030	1071	1091	#	
Mizoram	1125	927	229	781	1106	1203	967	1078	1146	1117	1112	#	
Nagaland	926	901	896	1142	835	1040	1043	1047	1048	1048	1047	#	
Odisha	565	550	608	604	589	619	661	700	755	667	632	652	

(Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	1097	1111	1288	1276	1354	1336	1360	1350	1335	1265	1318	1406
Rajasthan	1134	1146	1051	1114	1066	1203	1243	1296	1144	1192	1182	1386
Sikkim	727	727	872	763	959	832	841	863	887	891	909	#
Tamil Nadu	1624	1829	1739	1782	1898	2077	2479	2103	2362	2374	2290	1787
Telangana	-	-	-	-	-	-	-	-	-	1270	1102	1353
Tripura	709	705	675	714	717	732	751	506	759	793	771	#
Uttar Pradesh	993	837	856	865	753	832	828	898	810	698	670	845
Uttarakhand	857	750	967	1000	1138	1012	1082	1236	1070	938	1100	929
West Bengal	952	918	997	828	1065	1047	994	1162	1181	1161	1168	1164
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	-	#
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	#
Puducherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2280	2345	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1266
All India	1004	916	1115	1006	958	1193	1133	1168	1168	1075	968	1225

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.13: Kharif Oilseeds: State-wise Yield

State	Yield (Kg/ hectare)												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	
Andhra Pradesh	570	397	1204	705	425	700	440	657	774	414	813	546	
Arunachal Pradesh	878	878	1042	1160	978	1083	1204	932	1071	747	790	#	
Assam	533	571	522	537	533	537	539	628	681	702	644	681	
Bihar	951	932	943	939	1129	1016	1063	1092	1097	1070	1050	1041	
Chhattisgarh	521	623	615	572	710	824	608	836	686	634	523	649	
Goa	1333	2000	2000	1500	2000	2800	2833	2540	2436	2028	2042	#	
Gujarat	1543	779	1610	1351	1049	1699	1607	1013	2309	1962	1628	1725	
Haryana	804	844	1079	762	648	691	750	823	986	883	751	926	
Himachal Pradesh	511	489	581	610	243	536	559	559	615	615	584	494	
Jammu & Kashmir	462	429	419	426	439	441	440	436	442	413	410	430	
Jharkhand	287	220	597	707	611	600	861	905	963	842	700	882	
Karnataka	569	439	682	548	469	783	661	635	862	685	579	621	
Kerala	667	889	706	696	632	1037	1250	1044	800	1041	1049	973	
Madhya Pradesh	1020	962	1037	1096	1150	1159	1080	1250	836	1115	826	1255	
Maharashtra	981	1031	1368	878	730	1490	1266	1379	1310	670	572	1188	
Manipur	6000	6000	444	1000	1000	754	866	169	850	850	838	#	
Meghalaya	731	692	704	665	763	780	1004	764	1274	1365	1402	#	
Mizoram	1222	972	206	815	1167	1268	971	1142	1154	1137	1181	#	
Nagaland	1106	1099	1041	1337	968	1156	1160	1158	1160	1159	1158	#	
Odisha	403	423	443	461	443	481	450	511	519	483	432	484	

(Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	463	504	478	482	582	785	714	691	704	656	614	810
Rajasthan	972	1050	1224	925	798	1235	1306	1228	1019	1220	1067	1271
Sikkim	825	825	889	846	1025	881	897	937	946	948	973	#
Tamil Nadu	1340	1251	1263	1454	1482	1643	1929	1677	1841	1921	1875	1441
Telangana	-	-	-	-	-	-	-	-	-	982	919	1115
Tripura	583	600	591	647	638	682	620	108	648	665	648	#
Uttar Pradesh	555	349	284	321	240	380	415	392	347	393	368	344
Uttarakhand	1059	1000	1250	1333	1500	1240	1297	1663	1326	1173	1216	1000
West Bengal	837	922	908	661	821	914	914	937	955	946	937	929
D & N Haveli	1000	1000	1000	NA	680	750	704	604	667	571	-	#
Pondicherry	1778	1778	1778	2000	1636	1684	1231	1840	1907	2340	2247	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1636
All India	965	836	1154	961	875	1203	1123	1135	1151	1055	884	1188

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.14: Rabi Oilseeds: State-wise Yield

State (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	1193	1235	1508	1286	1517	1477	1440	1536	1618	1733	1947	2095	
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1014	1089	#	
Assam	458	488	523	542	525	579	559	609	606	668	697	685	
Bihar	984	1037	982	1003	1037	1050	1045	1121	1194	1094	1059	1103	
Chhattisgarh	284	319	350	326	371	345	407	425	508	501	428	371	
Goa	2500	1727	1875	2281	3000	2875	2458	2382	2564	1874	2146	#	
Gujarat	1552	1544	1662	1314	1617	1645	1612	1764	1696	1513	1621	1727	
Haryana	1128	1351	1216	1735	1655	1868	1404	1721	1646	1463	1602	1724	
Himachal Pradesh	274	471	385	260	282	505	585	500	458	521	498	485	
Jammu & Kashmir	405	630	893	790	788	850	854	817	933	701	613	674	
Jharkhand	333	461	539	517	553	635	653	766	622	636	678	720	
Karnataka	655	543	677	571	565	778	676	665	748	728	590	654	
Kerala							909	1111	1209	2000		1427	
Madhya Pradesh	955	912	833	936	990	1031	1024	1092	1031	936	977	1158	
Maharashtra	677	662	739	691	683	705	720	634	738	706	736	1105	
Manipur	NA	NA	NA	500	500	779	764	850	837	867	849	#	
Meghalaya	667	667	658	678	678	677	678	669	934	952	964	#	
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	934	#	
Nagaland	756	729	760	959	784	942	946	953	954	954	954	#	
Odisha	925	838	915	873	874	901	1006	950	1071	956	925	961	

(Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Punjab	1236	1260	1478	1456	1500	1432	1465	1451	1415	1359	1425	1474
Rajasthan	1205	1185	946	1234	1277	1188	1190	1345	1233	1170	1286	1480
Sikkim	661	661	860	707	914	792	801	799	830	832	852	#
Tamil Nadu	2073	3466	2835	2539	2993	3228	3645	3040	3514	3338	3171	2706
Telangana	-	-	-	-	-	-	-	-	-	1848	1554	1928
Tripura	806	842	778	778	806	774	864	874	875	850	846	#
Uttar Pradesh	1105	1024	1064	1076	1090	1123	1107	1228	1088	919	1005	1216
Uttarakhand	667	563	643	714	800	803	867	921	739	716	979	846
West Bengal	988	916	1035	899	1161	1100	1025	1249	1273	1252	1265	1266
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1120
All India	1068	1055	1034	1097	1146	1174	1155	1244	1207	1125	1186	1318

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.15: Groundnut: State-wise Yield

State (1)	Season (2)	Yield (Kg/ hectare)														
		2005-06 (3)	2006-07 (4)	2007-08 (5)	2008-09 (6)	2009-10 (7)	2010-11 (8)	2011-12 (9)	2012-13 (10)	2013-14 (11)	2014-15 (12)	2015-16 (13)	2016-17* (14)			
Andhra Pradesh	Kharif	565	301	1357	694	385	659	361	533	644	410	877	566			
	Rabi	1739	1806	1925	1928	2128	2073	1848	1927	1875	2329	2183	2329			
	Total	728	557	1451	880	773	899	646	829	892	564	1034	705			
Bihar	Kharif	556	556	500	529	1750	1000	1025	1025	1022	1035	1018	1015			
	Kharif	1078	1142	1256	1352	1353	1462	1320	1379	1457	1412	1231	1841			
Goa	Kharif	1333	2000	2000	1500	2102	2800	2833	2540	2436	2028	2042	#			
	Rabi	2500	1727	1875	2281	2981	2875	2458	2382	2564	1874	2146	#			
Gujarat	Total	2394	1769	1892	2158	2807	2862	2500	2409	2544	1899	2126	#			
	Kharif	1707	725	1781	1368	929	1868	1563	498	2716	2168	1654	1795			
Haryana	Rabi	2225	2000	1724	1830	1908	1801	1914	2288	1789	1818	1655	1794			
	Total	1734	809	1777	1395	964	1864	1612	590	2668	2154	1654	1795			
Himachal Pradesh	Kharif	733	840	813	750	1000	1000	967	1143	1107	1135	1000	1000			
	Kharif	NA	NA	NA	1000	670	742	917	909	600	600	943	1020			
Karnataka	Kharif	NA	NA	NA	836	756	914	1196	1170	1194	1013	830	1049			
	Kharif	590	434	784	545	565	853	650	560	844	729	675	560			
Kerala	Rabi	924	760	906	788	804	952	917	913	912	874	738	889			
	Total	645	497	807	589	626	875	716	671	863	768	693	634			
Madhya Pradesh	Kharif	727	1000	759	765	763	1267	1346	1274	1250	1426	1379	1405			
	Kharif	1126	948	940	1140	1158	1496	1618	1515	1567	1602	1405	1506			

(Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Maharashtra	Khariif	831	743	1112	1016	1015	1258	1080	992	1213	1037	969	1199
	Rabi	1429	1355	1413	1516	1557	1390	1446	1531	1366	1518	1376	1408
	Total	958	889	1168	1116	1118	1289	1158	1056	1248	1159	1081	1275
Nagaland	Khariif	1000	1000	1100	1000	786	1000	1013	1012	1023	1023	1034	#
	Khariif	835	904	982	980	968	977	830	1070	1112	1030	837	976
Odisha	Rabi	1414	1292	1376	1279	1334	1362	1486	1345	1704	1471	1242	1564
	Total	1171	1113	1219	1156	1169	1176	1189	1231	1449	1268	1097	1234
Punjab	Khariif	882	864	871	926	1240	1773	1500	1765	1846	1857	1900	1917
Rajasthan	Khariif	1549	1310	1728	1670	1087	1963	1926	1549	1950	2019	2029	2051
	Khariif	1526	1329	1417	1674	1728	1881	2202	1890	2213	2340	2175	1639
Tamil Nadu	Rabi	2103	3729	3078	2622	3104	3331	3751	3149	3628	3442	3293	2834
	Total	1775	1981	1957	1989	2155	2323	2751	2315	2721	2753	2574	1991
Telangana	Khariif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1692	1500	1692
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1930	1623	1993
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1910	1609	1945
Tripura	Khariif	1000	1000	1000	1000	1081	1333	1091	1091	1077	1080	1146	#
	Rabi	667	1000	1000	1000	1040	1000	1297	1315	1257	1280	1160	#
	Total	889	1000	1000	1000	1095	1167	1220	1229	1180	1180	1154	#
Uttar Pradesh	Khariif	851	730	598	705	670	988	1000	1000	896	857	670	904
	Khariif	1000	2000	1000	2000	2000	1091	1000	1163	1176	1103	1415	1000

(Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
West Bengal	Kharif	933	1000	909	958	916	857	864	1000	917	925	902	900
	Rabi	1727	1744	1968	1763	1742	1690	1969	2585	2627	2362	2290	2312
	Total	1703	1713	1918	1735	1715	1661	1939	2526	2544	2324	2255	2267
Puducherry	Kharif	1938	1938	1875	2286	2103	1962	1406	2112	2486	3000	2984	#
	Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1165
Others	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1222
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1204
All India	Kharif	1097	689	1386	1063	835	1335	1188	811	1735	1478	1399	1361
	Rabi	1702	1880	1857	1764	1830	1846	1938	1908	1926	1948	1801	1819
	Total	1187	866	1459	1163	991	1411	1323	994	1764	1552	1465	1424

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.16: Rapeseed & Mustard: State-wise Yield

State (1)	Yield (Kg/ hectare)											
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)
Andhra Pradesh	333	600	500	667	500	520	667	500	600	500	1000	1000
Arunachal Pradesh	829	829	945	919	919	893	985	905	936	1016	1089	#
Assam	456	487	523	543	525	581	560	610	605	667	698	686
Bihar	926	1029	947	959	1008	1028	1029	1132	1245	1100	1053	1112
Chhattisgarh	330	399	402	379	419	407	436	514	557	575	517	388
Gujarat	1349	1396	1635	1136	1579	1565	1572	1695	1723	1422	1611	1706
Haryana	1117	1343	1198	1738	1655	1869	1396	1721	1639	1432	1594	1721
Himachal Pradesh	292	506	409	270	287	532	619	520	483	543	517	506
Jammu & Kashmir	406	649	892	791	788	851	851	817	935	700	612	675
Jharkhand	NA	NA	NA	541	578	653	670	783	629	625	698	736
Karnataka	400	250	250	400	400	500	250	500	333	500	150	250
Madhya Pradesh	1047	999	927	1034	1074	1148	1108	1172	1108	1006	1079	1298
Maharashtra	308	357	444	333	333	375	308	222	400	200	300	NA
Manipur	NA	NA	NA	500	500	779	764	839	837	867	846	#
Meghalaya	667	667	658	681	680	681	680	672	938	956	967	#
Mizoram	833	600	1000	600	750	750	944	690	1100	1000	934	#
Nagaland	800	753	782	1000	800	1000	1005	1009	1010	1012	1011	#
Odisha	190	171	201	182	211	208	212	275	269	244	205	247
Punjab	1102	1122	1179	1222	1300	1323	1276	1281	1306	1248	1348	1411
Rajasthan	1205	1185	946	1234	1276	1188	1189	1346	1233	1170	1287	1481

(Contd.)

State	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Sikkim	661	661	860	707	914	792	801	799	830	832	852	#
Tamil Nadu	200	333	333	333	333	233	229	230	241	233	229	229
Telangana	-	-	-	-	-	-	-	-	-	2000	2000	1333
Tripura	821	824	733	750	767	750	789	799	824	831	805	#
Uttar Pradesh	1149	1057	1157	1123	1113	1187	1136	1263	1113	930	1017	1245
Uttarakhand	667	563	643	714	800	803	867	933	739	716	979	846
West Bengal	909	803	888	764	1080	1021	908	1062	1066	1069	1090	1099
Delhi	763	1500	871	154	1256	1300	1251	1265	NA	NA	1260	#
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1128
All India	1117	1095	1001	1143	1183	1185	1121	1262	1185	1083	1183	1324

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.17: Linseed: State-wise Yield

State (1)	Yield (Kg/ hectare)												
	2005-06 (2)	2006-07 (3)	2007-08 (4)	2008-09 (5)	2009-10 (6)	2010-11 (7)	2011-12 (8)	2012-13 (9)	2013-14 (10)	2014-15 (11)	2015-16 (12)	2016-17* (13)	
Andhra Pradesh	250	333	0	0	0	0	0	0	480	0	0	NA	
Assam	500	500	500	514	517	521	520	568	643	703	633	667	
Bihar	895	850	845	846	846	889	865	867	850	861	859	857	
Chhatisgarh	248	250	307	272	300	260	372	285	424	397	292	344	
Himachal Pradesh	100	267	250	143	225	273	286	327	255	243	295	295	
Jammu & Kashmir	400	426	1000	500	578	798	1157	582	500	923	878	506	
Jharkhand	333	389	389	454	427	516	531	645	568	709	534	615	
Karnataka	308	333	357	357	333	364	222	333	333	400	293	306	
Madhya Pradesh	412	411	314	382	436	338	474	523	498	541	474	504	
Maharashtra	277	235	279	211	250	256	258	296	258	208	250	214	
Nagaland	600	648	667	769	689	807	807	807	803	808	808	#	
Odisha	420	422	438	441	451	459	471	482	478	478	477	480	
Punjab	500	500	1000	1000	500	NA	NA	NA	NA	NA	NA	NA	
Rajasthan	833	833	857	1432	2006	1235	1066	962	1351	1285	1013	1114	
Uttar Pradesh	414	373	251	450	441	453	452	433	385	600	460	531	
West Bengal	284	240	271	239	295	341	359	349	200	364	388	417	
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	982	
All India	395	385	349	415	449	408	473	502	484	541	477	525	

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.18 Safflower: State-wise Yield

State	Yield (Kg/ hectare)												
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	
Andhra Pradesh	471	643	750	462	429	692	700	825	750	1000	NA	NA	NA
Bihar	1000	500	1000	1000	769	857	821	800	805	800	802	802	802
Chhatisgarh	273	286	222	200	333	333	286	200	333	200	300	286	286
Gujarat	NA	NA	NA	1000	857	NA	583	588	600	NA	NA	NA	NA
Jharkhand	NA	NA	NA	478	335	401	401	500	523	793	NA	NA	539
Karnataka	741	753	814	795	735	836	636	625	791	818	563	733	733
Madhya Pradesh	300	333	250	250	286	250	NA	NA	500	724	500	500	500
Maharashtra	605	606	667	565	580	543	545	552	570	343	228	667	667
Odisha	615	583	615	583	581	600	581	612	602	656	590	600	600
West Bengal	NA	NA	NA	NA	915	838	858	1000	1000	1000	1000	933	933
All India	627	637	701	642	621	617	580	591	638	515	416	652	652

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

NA- Not Available

Table 4.1.19: Sunflower: State-wise Yield

State	Season	Yield (Kg/ hectare)												
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Andhra Pradesh	Kharif		351	406	629	640	380	738	588	789	800	545	714	667
	Rabi/Summer		805	871	1174	815	911	683	809	724	888	872	900	1077
	Total		671	738	1026	778	771	693	785	732	870	800	852	909
Bihar	Kharif		NA	1233	1200	1200	1280	1345	1348	1289	1347	1323	1238	
	Rabi/Summer		1374	1347	1365	1429	1431	1471	1450	1454	1446	1449	1440	1445
	Total		1345	1332	1335	1388	1404	1441	1439	1441	1411	1429	1421	1405
Chhatisgarh	Kharif		366	600	600	563	429	257	556	300	500	NA	500	500
	Summer		1667	1667	1583	1650	1667	1800	1800	1733	2400	2767	2056	1953
Jharkhand	Kharif		NA	NA	NA	667	459	NA	457	825	696	522	712	543
	Rabi/Summer		NA	NA	NA	684	743	663	678	800	524	500	466	455
	Total		NA	NA	NA	682	642	663	653	814	585	507	498	497
Karnataka	Kharif		504	365	547	505	342	603	518	507	583	555	408	590
	Rabi/Summer		593	472	595	488	422	637	505	528	626	597	490	244
	Total		552	420	571	496	383	621	512	520	607	579	459	458
Madhya Pradesh	Kharif		333	333	500	500	500	500	NA	NA	NA	-	1000	NA
	Summer/Rabi		583	571	500	667	500	NA	NA	NA	NA	-	-	1000
	Total		533	500	500	600	500	500	NA	NA	NA	-	1000	1000

(Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Maharashtra	Khharif	532	529	580	523	419	507	548	400	588	313	111	333
	Rabi	593	545	739	626	567	636	611	465	649	460	276	1084
	Summer	733	NA	778	833	750	800	NA	NA	NA	-	-	-
	Total	580	548	680	587	521	601	583	436	620	402	213	646
Nagaland	Khharif	800	750	1000	667	600	1000	818	808	769	800	824	#
	Summer	1000	800	1100	NA	944	526	524	609	634	612	613	#
	Total	875	786	1050	667	910	571	554	632	649	636	641	#
Odisha	Khharif	NA	667	750	667	769	750	705	700	714	719	690	706
	Rabi/Summer	830	949	995	930	908	1054	1190	1196	1200	1202	1198	1195
	Total	821	932	984	919	902	1049	1181	1188	1193	1195	1189	1185
Punjab	Summer	1612	1641	1900	1750	1787	1664	1857	1881	1738	1765	1797	1810
	Rabi/Summer	1000	1000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	Khharif	1304	2710	2123	1017	1391	1214	1833	1343	1806	1514	1413	887
Tamil Nadu	Rabi	1165	1284	1197	1606	1286	1113	1787	1366	1475	1361	951	951
	Total	1240	1828	1590	1329	1334	1151	1809	1357	1564	1409	1060	936
	Khharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	1000	1000	1000
Telanagana	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	1412	1091	1200
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	1389	1083	1167

(Contd.)

State	Season	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Uttar Pradesh	Rabi/Summer	1278	1500	1615	1889	2286	2250	1500	1500	1667	1333	2000	2000
West Bengal	Summer	1256	1292	1231	1089	1206	1123	1203	1250	1429	1467	1417	1333
Others	Kharif	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	994
	Rabi	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	683
	Total	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	790
All India	Kharif	496	425	607	540	378	608	566	622	621	541	420	587
	Rabi	692	661	870	696	700	748	783	674	826	841	698	804
	Total	615	567	765	639	576	701	706	655	750	736	608	699

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Table 4.1.20 Soybean: State-wise Yield

State	Yield (Kg/ hectare)												
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
(1)	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	
Andhra Pradesh	1949	1515	1966	1366	827	1703	1615	1818	1612	2000	2000	1000	
Arunachal Pradesh	947	947	1167	1433	1183	1346	1487	1518	1273	923	991	#	
Chhattisgarh	900	997	1149	987	956	1170	753	1205	877	753	576	697	
Gujarat	853	510	382	699	805	810	786	1000	733	754	675	717	
Himachal Pradesh	1333	667	1833	1714	850	1333	1587	1429	1450	1446	1676	980	
Jharkhand	NA	NA	NA	333	329	200	329	1194	1099	808	931	579	
Karnataka	534	718	858	679	446	875	901	1047	1233	738	543	744	
Kerala	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1400	NA	
Madhya Pradesh	1058	1006	1091	1142	1198	1200	1108	1293	831	1139	831	1310	
Maharashtra	1077	1147	1492	900	728	1582	1319	1451	1351	655	557	1201	
Manipur	NA	NA	NA	NA	NA	NA	927	1063	109	878	868	838	
Meghalaya	1000	1000	909	1091	1109	1091	1694	1099	1820	1947	1982	#	
Mizoram	1929	1000	235	1100	1603	1929	1254	1411	1480	1413	1539	#	
Nagaland	1199	1200	1148	1498	1032	1246	1253	1252	1255	1254	1254	#	
Rajasthan	1150	1203	1343	971	1175	1461	1544	1412	829	1036	829	1072	
Sikkim	825	825	889	846	1025	881	897	935	946	948	973	#	
Telangana	NA	NA	NA	NA	NA	NA	NA	NA	NA	1083	1037	1166	
Uttar Pradesh	769	875	667	818	1143	1273	1222	1357	577	731	519	636	
Uttarakhand	1154	1111	1462	1556	1636	1480	1500	1985	1479	1293	1332	1083	
West Bengal	500	600	600	600	603	567	1226	833	699	700	708	738	
Others	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	1906	
All India	1073	1063	1235	1041	1024	1327	1208	1353	1012	951	738	1219	

Source: Directorate of Economics & Statistics, DAC&FW

*4th Advance Estimates.

Averaged out in Others

NA- Not Available

Area and Yield of Cereal Crops covered
under Crop Estimation Survey (CES)

Table 4.21 : Rice: Area under High Yielding Varieties in Major States

State / UT's (1)	Season (2)	2003-04 (3)	2004-05 (4)	2005-06 (5)	2006-07 (6)	2007-08 (7)	2008-09 (8)	2009-10 (9)	2010-11 (10)	2011-12 (11)	(000 hectare) 2012-13 (12)	
											(12)	(12)
Andhra Pradesh	Kharif	-	-	-	-	2554	-	2061	2920	2067	-	-
	Rabi	-	-	-	-	1270	-	1377	1829	1101	-	-
Assam	Autumn	-	-	-	-	-	-	-	-	-	-	160
	Winter	-	-	-	-	-	-	-	-	-	-	1170
Bihar	Summer	-	-	-	-	-	-	-	-	-	-	361
	Bhadai	-	-	-	-	-	-	-	-	-	-	-
Aghani	Summer	1556	1411	1525	1636	1732	1694	1446	-	1665	2002	2002
	Garma	88	80	76	87	92	85	74	-	56	84	84
Chhattisgarh	Summer	736	732	812	882	907	950	822	822	2546	2714	2714
	Kharif	35	35	35	36	34	34	31	31	31	31	31
Goa	Rabi	17	17	17	17	18	16	16	16	16	16	15
	Kharif	458	518	515	-	604	640	580	620	511	-	-
Gujarat	Summer	22	10	20	26	24	24	18	64	72	-	-
	Kharif	690	741	784	798	824	842	505	465	425	535	535
Haryana	Summer	-	-	-	-	-	-	-	-	-	-	-
Himachal Pradesh	Summer	-	-	-	-	-	-	-	-	-	-	-
Jammu & Kashmir	Winter	141	162	127	127	127	127	127	127	79	79	65
	Summer	-	-	-	-	-	-	-	-	947	947	1076
Jharkhand	Aghani	-	-	-	-	-	-	-	-	-	-	-
	Kharif	743	877	906	906	883	956	925	962	990	913	913
Karnataka	Rabi	50	41	42	41	38	39	34	38	42	44	44
	Summer	74	209	363	284	324	1	336	344	255	185	185
Kerala	Autumn	93	98	91	76	73	75	74	69	67	62	62
	Winter	110	116	111	112	84	84	90	78	81	76	76
Madhya Pradesh	Summer	36	35	22	35	45	49	49	51	47	47	47
	Kharif	123	136	176	169	155	1459	1374	208	587	735	735
Maharashtra	Summer	1312	1342	1331	1459	1534	1453	2025	1370	1516	1528	1528
	Kharif	-	-	-	-	-	-	-	-	-	-	-
Meghalaya	Summer	-	-	-	-	-	-	-	-	-	-	27
	Autumn	-	-	-	-	-	-	7	-	-	-	11

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Winter	-	-	-	-	-	-	-	-	-	33
Odisha	Autumn	-	-	-	-	-	-	-	-	-	7
	Winter	-	-	-	-	-	-	-	-	-	1
	Summer	450	434	436	439	451	465	475	475	412	448
Punjab		2185	2276	2341	2409	2488	2635	2712	2640	2726	2754
Rajasthan		253	293	325	315	333	331	265	293	235	274
		-	2549	2639	2621	2610	2734	2802	66	2818	2845
Tamil Nadu#	K/K/S	-	-	-	-	279	-	-	-	332	205
	S/T/P	-	-	-	-	-	-	-	-	1335	1092
	N/K	-	-	-	-	-	-	-	-	122	95
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	140	129
	Rabi	-	-	-	-	-	-	-	-	14	14
Uttar Pradesh		-	-	-	-	-	-	-	-	5662	-
West Bengal	Aus.	-	-	-	-	-	-	-	-	-	-
	Aman	-	-	-	-	-	-	-	-	-	-
	Summer	-	-	-	-	-	-	-	-	-	-
Dadra & Nagar Haveli		9	9	5	9	12	9	9	12	13	13
Delhi		7	9	8	8	8	8	8	8	7	6
Daman & Diu		1	1	1	1	1	-	1	1	1	1
Puducherry	I-Kharif	6	6	5	5	4	4	4	4	4	4
	II-Rabi-I	12	13	12	12	5	5	11	11	10	9
	III-Rabi-II	6	6	5	5	5	5	5	5	2	4
	(Summer)										

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

K/K/S - Kar/Kuruvai/Sornavari (Early Kharif), S/T/P - Samba/Thalady/Pishanam (Late Kharif), N/K - Navarai/Kodai (Rabi)

* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA), *I-Kharif II- Rabi-I, III-Rabi-II (summer)

Table 4.2.2: Jowar: Area under High Yielding Varieties in Major States

State / UTs (1)	Season (2)	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	2	12	0	-	20	-
	Rabi	-	-	-	-	26	5	170	170	67	-
Chhattisgarh											
Gujarat	Kharif	55	31	50	-	40	52	49	49	39	-
	Summer	38	18	29	15	-	15	0	-	-	-
Karnataka	Rabi					12	12	17	17	15	-
	Kharif	189	304	262	341	254	203	195	195	172	131
Madhya Pradesh	Rabi	848	830	800	775	819	896	842	842	770	887
	Summer	-	16	-	-	6	5	3	3	11	8
Maharashtra	Kharif	1570	1518	-	1378	1253	847	976	976	865	888
	Rabi										
Rajasthan											
Tamil Nadu		292	174	218	171	51	-	57	57	156	204
		-	-	-	-	-	-	-	-	175	189
Uttar Pradesh											

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.3 : Bajra: Area under High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	-	17	25	51	-	-
Gujarat	Kharif	-	750	764	-	713	513	483	482	418	-
	Summer	163	135	150	166	179	159	162	354	392	-
Haryana		560	480	545	536	576	561	426	590	544	396
Karnataka	Kharif	279	426	415	361	413	258	290	301	285	272
Madhya Pradesh		-	-	-	-	-	-	-	-	132	143
Maharashtra		1214	1423	1434	1411	1283	859	918	970	838	788
Punjab		-	-	2248	2494	-	-	-	-	-	3
Rajasthan		2935	2194	-	-	2145	1755	2135	-	1513	1583
Tamil Nadu		-	-	-	-	-	-	-	-	44	39
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		2	2	2	2	2	2	2	-	1	2
Daman & Diu		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

(000 hectare)

Table 4.2.4 : Maize: Area under High Yielding Varieties in Major States

State / UTs	Season	(000 hectare)											
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
		2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13		
Andhra Pradesh	Kharif	-	-	-	-	105	457	503	435	94	-		
	Rabi	-	-	-	-	-	272	386	281	218	-		
Bihar	Bhadai	105	105	119	108	109	107	75	-	100	105		
	Rabi	-	-	-	-	-	-	-	-	113	127		
Chhattisgarh	Garma	103	111	121	131	138	-	148	-	-	-		
		-	-	-	-	-	-	-	-	35	44		
Gujarat		249	320	305	-	307	307	330	291	282	-		
Haryana		8	10	8	6	6	6	5	5	3	3		
Himachal Pradesh		-	-	-	-	-	-	-	-	-	-		
Jammu & Kashmir		71	47	40	40	40	40	40	40	63	-		
Karnataka	Kharif	544	779	839	864	1013	928	1055	1099	1203	1160		
	Rabi	47	55	80	78	75	103	103	107	110	125		
	Summer	-	9	-	16	20	28	28	24	32	32		
Madhya Pradesh		-	-	-	-	-	-	-	-	304	291		
Maharashtra	Kharif	-	-	-	-	-	-	-	-	-	-		
	Rabi	-	-	-	-	-	-	-	-	-	-		
Odisha	Autumn	26	31	35	35	45	49	66	99	213	81		
	Winter	1	2	6	6	6	0.3	0.2	1	-	-		
	Summer	2	2	2	2	3	2	2	4	17	3		

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab		-	100	104	115	103	110	49	-	106	109
Rajasthan	Kharif	498	444	544	590	667	442	352	-	595	504
	Rabi	-	-	-	-	-	-	-	-	-	-
Tamil Nadu		-	-	-	-	213	286	231	-	279	287
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.5 : Wheat: Area under High Yielding Varieties in Major States

State / UTs	Season	(000 hectare)											
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam		-	-	-	-	-	-	-	-	-	-	-	-
Bihar		1470	1473	1479	1564	1608	1620	1620	1604	-	1590	1638	
Chhattisgarh		67	41	41	40	42	47	47	56	-	49	52	
Gujarat		731	641	744	1023	1222	1037	1037	854	1544	1234	-	
Haryana		2290	2288	2290	2345	2390	2383	2383	2357	2411	2411	2378	
Himachal Pradesh		-	-	-	-	-	-	-	-	-	-	-	
Jammu & Kashmir		143	140	131	131	131	131	131	131	131	112	152	
Jharkhand		-	-	-	-	-	-	-	-	-	159	164	
Karnataka		101	120	147	182	177	175	175	196	173	148	144	
Madhya Pradesh		2269	2405	1965	2425	2457	2404	2404	2765	2936	3753	4018	
Maharashtra		622	724	924	1231	1253	1015	1015	1012	1258	878	785	
Odisha	Summer	5	4	3	4	5	5	5	5	3	14	1	
Punjab		-	3482	3468	3467	3488	3526	3526	3522	-	3517	3504	
Rajasthan		1528	1350	1796	2320	2199	1766	1766	1658	-	2656	2756	
Uttarakhand		-	-	-	-	-	-	-	-	-	-	171	
Uttar Pradesh		-	-	-	-	-	-	-	-	-	9630	-	
West Bengal		-	-	-	-	-	-	-	-	-	-	-	
Delhi		19	13	8	13	13	13	13	13	-	20	19	

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.6 : Rice: Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	3078	-	-	-	-	-
	Rabi	-	-	-	-	3570	-	-	-	-	-
Assam	Autumn	1012	665	1043	931	1060	1076	934	979	1192	-
	Winter	1554	1421	1473	1223	1354	1575	1614	1921	1733	-
	Summer	1399	1704	1580	1662	1370	1882	1907	2249	2392	-
	Bhadai	1234	912	951	1023	612	2006	897	-	1603	1697
Chhattisgarh	Aghani	1217	551	811	1203	1091	2198	1036	-	2350	2235
	Garma	1331	1174	1436	1787	1623	2366	1419	-	1507	2292
Goa	Kharif	958	1084	1201	1175	1307	1057	990	990	1855	2075
	Rabi	-	-	-	-	-	-	-	-	-	-
Gujarat	Kharif	1438	966	910	1446	1564	989	611	1226	1434	-
	Summer	-	2765	3406	-	-	1879	3263	3116	4633	-
Haryana	Summer	2126	2208	1981	2373	2544	2215	2500	2788	2425	2743
	Summer	1478	1306	1466	1596	1662	1652	1372	1728	-	-
Jammu & Kashmir	Summer	1780	1596	1798	1798	1798	1798	1798	1798	2775	4657
	Summer	-	-	-	-	-	-	-	-	-	-
Jharkhand	Aghani	-	-	-	-	-	-	-	-	1820	1550
	Summer	1059	1463	1838	1714	1851	1375	1542	1821	1776	1564
Karnataka	Kharif	2300	2509	1694	1815	1830	2052	2173	1934	2250	2133
	Rabi	-	-	-	-	-	3179	2791	3005	-	-
Kerala	Summer	-	-	-	-	1019	3179	2791	3005	-	-
	Summer	-	-	-	-	-	-	-	-	-	-

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala	Autumn	1549	1426	1622	1626	1477	1474	1494	1460	1723	1553
	Winter	1729	1873	1905	1740	1781	1715	1722	1657	1753	1616
	Summer	1391	1417	1607	1702	1711	1689	1571	1729	1761	1309
Madhya Pradesh											
Maharashtra	Kharif	1069	1191	1049	1552	639	1220	1267	1125	-	-
	Summer	-	-	-	-	-	-	-	2228	-	-
Meghalaya	Autumn	1285	1277	1380	1369	1235	1285	1279	1478	-	1412
	Winter	1487	1378	1479	1870	1296	1452	1398	1548	-	1814
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	1905
	Rabi	-	-	-	-	-	-	-	-	-	2521
Odisha	Autumn	765	677	670	815	1360	851	692	621	730	1147
	Winter	1276	1249	1239	1165	1915	1077	1185	1090	1039	1585
	Summer	-	-	-	-	-	-	-	-	-	-
Punjab											
Rajasthan		3396	3537	1799	-	-	-	-	-	-	-
		1140	1130	1328	1501	2163	4432	1567	3051	4314	-
Tamil Nadu#	K/K/S	3333	-	-	-	-	3643	-	5271	0	-
	S/T/P	2552	1738	2645	1634	593	1746	1571	1698	2827	-
	N/K	3082	1613	2714	-	3250	3550	-	-	-	-
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	-	1406
	Rabi	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh											
		-	-	-	-	-	-	-	-	-	-

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
West Bengal	Aus.	1525	1395	1403	1240	1333	1865	1066	1334	-	3024
	Aman	1744	1746	1662	1701	1409	2542	1781	1982	-	3430
	Summer	2526	2733	2919	2115	1869	3428	2095	2913	-	4891
Dadra & Nagar Haveli		1572	1576	2353	1814	1817	2724	1816	2649	-	2046
Delhi		-	-	-	-	-	-	-	-	-	-
Daman & Diu		1843	1715	1490	1765	1750	1750	1036	1183	-	1180
Puducherry	I-Kharif	-	-	-	-	-	-	-	-	-	-
	II-Rabi-I	-	-	-	-	-	-	-	-	-	-
	III-Rabi-II	-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

K/K/S - Kar/Kuruvai/Sornaveri (Early Kharif), S/T/P - Samba/Thalady/Pishanam (Late Kharif), N/K - Navarai/Kodai (Rabi)

* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.7 : Jowar: Yield of Local Varieties in Major States

State / UTs (1)	Season (2)	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	1241	1145	906	1005	-	-
	Rabi	-	-	-	-	1153	1505	-	-	-	-
Chhattisgarh		1001	667	792	873	1021	1123	897	897	768	715
Gujarat	Kharif	828	1242	1200	-	1327	1021	956	933	1078	-
	Rabi	-	-	-	-	895	876	1052	1033	1611	-
Karnataka	Summer	835	932	824	745	-	-	-	-	-	-
	Kharif	332	537	524	586	889	724	529	969	710	640
Madhya Pradesh	Rabi	136	610	647	551	885	924	774	1241	583	710
	Summer	-	-	-	-	-	-	-	-	-	-
Maharashtra	Kharif	1197	953	945	898	908	1092	1074	1164	-	-
	Rabi	892	740	-	576	341	875	581	1082	1077	1604
Nagaland		-	-	-	-	-	-	-	687	-	-
Rajasthan	Kharif	671	412	271	513	604	-	138	-	735	-
		587	715	685	1123	894	674	667	834	1394	608
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.8 : Bajrat Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	1263	856	-	-	-	-
Gujarat	Kharif	1320	1001	1073	-	924	1061	1098	939	999	-
	Summer	-	3198	968	2351	1974	2877	-	2320	-	-
Haryana		1071	756	925	1482	1289	1535	1432	1529	2094	1656
Karnataka	Kharif	300	391	615	473	734	513	315	483	612	716
Madhya Pradesh		822	795	841	740	665	972	945	1151	-	-
Maharashtra		466	512	-	455	-	502	441	675	982	-
Punjab		-	-	-	-	-	-	-	-	-	-
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	1014
Rajasthan		942	399	288	341	541	644	304	799	1158	-
Tamil Nadu		826	1050	740	760	980	913	884	-	2835	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		-	-	-	-	-	-	-	-	-	-
Daman & Diu		780	1454	1033	2015	1654	1654	1312	1378	1410	1360

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.9 : Maize: Yield of Local Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	-	2644	-	-	-	-
	Rabi	-	-	-	-	-	5521	-	-	-	-
Bihar	Bhadai	1650	1496	1542	1502	768	1276	1511	-	2323	3423
	Rabi	3006	3041	3045	3612	3974	3828	2599	-	4522	3388
Chhattisgarh	Garma	2953	2600	2579	2541	2467	2756	2905	-	-	-
		1370	1430	1058	1225	1523	1523	1392	1392	1655	1928
Gujarat		1661	899	1481	-	1327	1378	890	1618	2095	-
Haryana		2449	2302	2061	2236	2584	2103	2126	1665	2218	2423
Himachal Pradesh		2551	2227	1932	2376	2435	2222	1990	2483	-	-
Jammu & Kashmir		1555	1473	1302	1302	1302	1302	1302	1302	1498	3779
	Kharif	1500	1999	1832	2133	2652	1192	877	2019	2200	2427
Karnataka	Rabi	670	1691	2624	2423	2397	1951	1951	2233	2781	2427
	Summer	-	-	-	-	-	-	-	-	-	-
Madhya Pradesh		1557	1185	1179	896	1044	331	1159	1408	-	-
Maharashtra	Kharif	-	-	-	-	-	-	-	3024	-	-
	Rabi	-	-	-	-	-	-	-	2630	-	-
Nagaland	Kharif	-	-	-	-	-	-	-	-	1960	1960
	Rabi	-	-	-	-	-	-	-	-	1960	1960
Odisha	Autumn	891	1006	862	845	921	943	850	1102	1514	1070

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Winter	1291	899	654	831	2472	814	974	1258	-	-
	Summer	740	837	945	1116	1217	3945	1268	-	-	1230
Punjab		2287	2395	2081	2001	2094	2195	3237	-	2274	2734
Rajasthan	Kharif	1796	1225	875	1060	1615	1753	1101	1786	1867	-
	Rabi	-	-	-	-	-	-	-	-	-	-
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	2029	1824	1908	1673	1737	1926	2121	4084	4569

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.10 : Wheat: Yield of Local Varieties in Major States

State / UTs (1)	Season (2)	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Assam		1040	1084	1079	1228	1236	1054	1129	1147	1222	-
Bihar		1552	1393	1233	1794	2094	1794	1823	-	2778	2602
Chhattisgarh		784	652	728	766	884	834	874	874	1326	1459
Gujarat		697	1910	2052	953	1341	1382	1755	1217	2496	-
Haryana		2240	2419	3075	2889	3563	4176	3746	4482	4931	4158
Himachal Pradesh		1360	1795	1104	1622	1451	1063	1176	1747	-	-
Jammu & Kashmir		1437	1567	1558	1558	1558	1558	1558	1558	1617	1783
Jharkhand		-	-	-	-	-	-	-	-	-	-
Karnataka		216	596	660	501	763	748	743	1054	802	520
Madhya Pradesh		1346	1298	1284	1320	1165	1311	1512	1363	-	-
Maharashtra		708	864	773	-	-	779	1092	1250	-	-
Nagaland		-	-	-	-	-	-	-	-	1711	1801
Odisha	Summer	1359	-	1142	1363	1252	1151	1151	1447	-	1731
Punjab		3582	-	-	-	-	-	-	-	3841	4365
Rajasthan		2331	2780	2583	2175	2368	2971	2688	3364	1459	-
Uttarakhand		-	-	-	-	-	-	-	-	1383	1525
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		2052	1873	1930	2038	2239	1882	2174	2356	3626	3468
Delhi		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.11 : Rice: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	3060	-	2835	2563	-	-
	Rabi	-	-	-	-	3312	-	3449	3716	-	-
Assam	Autumn	1778	1551	1950	1674	1452	1789	1782	1660	2032	1993
	Winter	2263	2013	2064	1831	1713	2480	2304	2358	2154	2554
	Summer	2220	2309	2126	2470	2697	2466	2325	2785	2962	3312
Bihar	Bhadai	-	-	-	-	-	-	-	-	-	-
	Aghani	1810	942	1409	1789	1596	2814	1261	-	2850	2750
Chhattisgarh	Garma	1502	1521	1552	1643	1741	2486	1966	-	2005	2828
		1267	1840	2134	2221	2145	1747	1827	1827	2298	2709
Goa	Kharif	3182	2852	2865	2405	2281	2339	1902	2358	2521	2599
	Rabi	3038	2597	2671	2570	2428	2440	2593	2667	2688	2854
Gujarat	Kharif	2054	1893	2059	2822	3081	1772	1978	2086	3210	-
	Summer	3106	2993	3182	4311	4667	3274	2950	3042	4764	-
Haryana		3042	3218	3410	3504	3611	2876	3713	2788	4223	3946
Himachal Pradesh		1825	1643	1751	1936	1927	1997	1593	-	-	-
Jammu & Kashmir		2078	2172	2514	2514	2514	2514	2514	-	3913	3523
Jharkhand	Aghani	-	-	-	-	-	-	-	-	3954	3221
	Kharif	2688	2856	2874	2860	2974	2948	2801	3157	3002	2843

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Kerala	Rabi	3120	3550	2331	2421	2288	2299	2384	2430	2300	2548
	Summer	4107	4709	3273	3046	3213	2094	3224	3408	3393	3341
	Autumn	2244	2365	2205	2343	2215	2486	2529	2439	2535	2571
	Winter	1875	2365	2455	2599	2519	2537	2686	2463	2812	2575
Madhya Pradesh	Summer	2287	2525	2743	2896	2413	2994	2723	2692	3161	2850
		1872	1087	2909	1565	1700	900	885	1835	-	1964
Maharashtra	Kharif	1957	1434	1838	1669	1898	1499	1515	1821	-	1964
	Summer	-	-	-	-	-	-	-	-	-	2469
Meghalaya	Autumn	-	-	-	-	-	-	1734	-	-	3250
	Winter	-	-	-	-	-	-	-	-	-	3137
Nagaland	Kharif	-	-	-	-	-	-	-	-	-	3050
	Rabi	-	-	-	-	-	-	-	-	-	2860
Odisha	Autumn	1202	949	1055	1144	1838	1146	1037	933	809	1878
	Winter	1795	1668	1777	1755	2878	1637	1742	1754	1532	2531
	Summer	2133	2230	2160	2293	2447	2451	2713	2259	3262	3165
Punjab		3681	3942	3846	3868	4018	4022	4010	-	3741	3998
Rajasthan		1373	1551	1301	2637	3334	1840	1309	1259	2021	-
Tamil Nadu#	K/K/S	3347	3542	3358	3383	4054	3853	3490	3634	4182	4033
	S/T/P	2749	3033	2648	3838	3018	2734	3125	3059	3922	2761

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	N/K	2969	3100	3085	3923	3447	3535	3502	3525	3859	3565
Uttarakhand	Kharif	-	-	-	-	-	-	-	-	2366	2524
	Rabi	-	-	-	-	-	-	-	-	-	3208
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal	Aus.	2194	2242	2169	2132	2157	3389	2216	2128	3913	4105
	Aman	2422	2464	2401	2427	2398	3789	2438	2514	4244	4381
	Summer	3076	3089	2913	3123	3136	4148	2821	3252	4662	5283
Dadra & Nagar Haveli		2058	2275	3202	3987	3115	2925	2594	2624	2824	2052
Delhi		2635	2956	2931	2940	2940	2940	2940	-	4180	4322
Daman & Diu		1957	1561	2346	2143	1356	1356	1539	1677	1700	1720
Puducherry*	I-Kharif	2759	2720	2872	2645	2963	2675	2859	2859	3020	3270
	II-Rabi-I	2609	2147	1979	2688	2675	2581	2227	2227	2272	2603
	III-Rabi-II	2714	2731	2520	3048	2669	2893	2643	2643	2894	3075

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

K/K/S - Kar/Kuruwai/Somavari (Early Kharif), S/T/P - Samba/Thalady/Pishanam (Late Kharif), N/K - Navara/Kodai (Rabi)

* I - Kharif, II - Rabi-I, III - Rabi-II (Summer)

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.12 : Jowar: Yield of High Yielding Varieties in Major States

State / UTs (1)	Season (2)	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	Kharif	-	-	-	-	1872	1269	-	-	-	-
	Rabi	-	-	-	-	2989	7368	1176	1384	-	-
Chhattisgarh	Kharif	1407	1379	1424	-	1359	1403	1245	1345	1341	-
	Rabi	798	976	1010	1086	901	750	1113	1353	1283	-
Karnataka	Summer	1234	1703	1813	1320	1867	1503	1127	1733	1674	1423
	Kharif	552	711	982	819	1224	1111	1025	1073	1045	1145
	Rabi	-	-	-	-	2496	2395	1891	2105	2016	1734
	Summer	1161	1066	1158	1113	1181	1208	1263	1439	-	-
Madhya Pradesh	Kharif	1335	1173	-	1209	1499	1163	1127	-	1503	1347
	Rabi	-	-	-	-	-	-	-	-	-	-
Rajasthan		745	523	310	997	883	-	469	-	1092	-
Tamil Nadu		897	935	1158	1456	1052	1108	1398	1439	1755	1018
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.13 : Bajra: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh		-	-	-	-	1734	1631	959	1647	-	-
Gujarat	Kharif	-	1043	1042	-	1137	1077	867	1113	1150	-
	Summer	2084	1998	2181	2266	2272	2381	2271	2449	2524	-
Haryana		1701	1417	1160	1674	1892	1826	1652	1904	1691	1993
Karnataka	Kharif	678	637	965	439	818	721	453	1004	1025	1097
Madhya Pradesh		1638	1523	1828	1514	1552	1390	1434	1756	-	-
Maharashtra		695	750	650	647	878	767	780	1113	-	637
Punjab		-	-	-	-	-	-	-	-	-	895
Rajasthan		1416	858	580	1064	1242	1090	656	-	1413	-
Tamil Nadu		1338	1620	1626	2403	1977	1987	1889	1680	3900	1693
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
Delhi		2473	1628	1850	1750	1750	1750	1750	-	1872	1878
Daman & Diu		-	-	-	-	-	-	-	-	-	-

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO

Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.14 : Maize: Yield of High Yielding Varieties in Major States

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	(Kg/hectare)	
											(1)	(12)
Andhra Pradesh	Kharif	-	-	-	-	5127	3710	1910	3807	-	-	
	Rabi	-	-	-	-	6167	5640	6598	7341	-	-	
Bihar	Bhadai	1695	1909	1781	1973	1297	1841	2035	-	2416	3737	
	Rabi	-	-	-	-	-	-	-	-	4565	6272	
Chhattisgarh	Garma	2709	2928	2427	3367	4084	3188	3134	-	-	-	
		-	-	-	-	-	-	-	-	-	-	
Gujarat		1852	913	1602	-	1472	1524	1051	1670	1439	-	
		2409	2695	2266	2360	2714	2195	2224	2131	3174	3004	
Haryana		3292	2763	2498	3144	2883	3058	2367	2728	-	-	
		2020	1837	1877	1877	1877	1877	1877	1877	2043	1343	
Himachal Pradesh		2059	3109	3113	2864	3060	2883	2447	3595	3182	2699	
		2425	3201	3659	3179	3569	3173	3173	2955	3115	3204	
Jammu & Kashmir	Summer	-	3220	-	3373	3822	3312	3312	3555	3683	3617	
		2330	1703	1657	1336	1420	1620	1263	1337	-	-	
Madhya Pradesh	Kharif	-	-	-	-	-	-	-	-	-	-	
	Rabi	-	-	-	-	-	-	-	-	-	-	
Maharashtra		-	-	-	-	-	-	-	-	-	-	
		-	-	-	-	-	-	-	-	-	-	
Odisha	Rabi	-	-	-	-	-	-	-	-	-	-	
	Autumn	1892	2178	1932	1927	2314	2297	2401	3734	2395	2552	

(Contd.)

State / UTs	Season	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Winter	1986	1979	2287	2647	2738	2273	1590	2118	-	-
	Summer	1999	2066	2216	2385	2277	2547	2237	2818	2912	2804
Punjab		3385	3291	2973	3469	3820	3594	3751	-	4303	3770
Rajasthan	Kharif	2143	1099	1188	1001	2136	1860	962	-	1518	-
Tamil Nadu		-	-	-	-	4500	4387	4660	-	6144	3681
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-
West Bengal		-	3039	2663	2967	2549	2878	2992	-	5051	6942

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

Table 4.2.15 : Wheat: Yield of High Yielding Varieties in Major States

State / UTs	Season	(Kg/hectare)										
		2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Assam		1049	965	948	977	1173	1092	1164	939	1033	-	
Bihar		1860	1706	1442	2069	2407	2199	2157	-	3143	2864	
Chhattisgarh		1226	1092	1066	1252	1267	1236	1394	1394	1466	1628	
Gujarat		2712	2560	2832	2659	3057	2396	2717	3143	3032		
Haryana		3975	3921	3887	4247	4175	4651	4215	4607	5185	4464	
Himachal Pradesh		1563	2098	1153	1908	1786	1124	1304	1874	-	-	
Jammu & Kashmir		2107	2175	2063	2063	2063	2063	2063	2063	1834	2841	
Jharkhand		-	-	-	-	-	-	-	-	1908	1944	
Karnataka		723	1575	1150	1052	1243	1146	1065	1316	954	1014	
Madhya Pradesh		2165	2146	2014	2240	2022	2209	2334	2387	-	-	
Maharashtra		1201	1366	1400	1520	1892	1489	1641	1776	1707	1527	
Odisha	Summer	1471	1311	1388	1488	1587	1415	1415	1461	1686	1902	
Punjab		4203	4222	4165	4209	4506	4504	4307	-	5101	4743	
Rajasthan		2848	2846	2825	3078	2741	3184	3255	-	3506		
Uttarakhand		-	-	-	-	-	-	-	-	-	-	
Uttar Pradesh		-	-	-	-	-	-	-	-	-	-	
West Bengal		2261	2067	2058	2235	2395	2188	2427	2458	3966	4025	
Delhi		4052	3745	3845	3920	3920	3920	3920	-	4348	4360	

Source: Consolidated Results of Crop Estimation Survey on Principal Crops- Published by NSSO
Blank (-) Not available with State Agricultural Statistics Authority (SASA)

5

Area, Production and Yield of Horticulture & Plantation Crops

Table 5.1: Area and Production of Horticulture Crops

Crops	2012-13		2013-14		2014-15		2015-16		2016-17	
	Area		Area		Area		Area		Area	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Fruits										
Almond	21	9	21	13	21	10	12	8	12	8
Aonla/Gooseberry	108	1266	104	1225	95	1173	88	972	91	1025
Apple	311	1915	313	2498	319	2134	277	2521	278	2258
Banana	776	26509	803	29725	822	29221	841	29135	852	30275
Ber	41	438	48	663	42	401	44	425	50	526
Citrus										
(i) Lime/Lemon	255	2524	286	2835	268	2950	245	2438	240	2555
(ii) Mandarin (Orange)	311	2906	330	3431	299	3699	397	4113	424	4640
(iii) Sweet Orange(Mosambi)	323	3520	335	3886	275	4229	244	3468	209	3187
(iv) Others	153	1140	126	994	111	777	138	1562	165	1670
Citrus Total (i to iv)	1042	10090	1078	11147	953	11655	1024	11581	1037	12053
Custardapple	20	136	22	165	30	228	37	298	45	385
Grapes	118	2483	119	2585	123	2823	122	2590	136	2784
Guava	236	3198	268	3668	246	3994	255	4048	260	3615
Jackfruit	67	1176	158	1573	118	2088	151	1732	153	1722
Kiwi	4	7	5	8	5	8	4	11	4	12
Litchi	83	580	84	585	85	528	90	559	91	578

(Contd.)

Crops	2012-13		2013-14		2014-15		2015-16		2016-17	
	Area		Area		Area		Area		Area	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
		Production	Production	Production	Production	Production	Production	Production	Production	Production
Mango	2500	18002	2516	18431	18527	2209	18643	2267	20295	
Papaya	132	5382	133	5639	4913	132	5667	138	6145	
Passion Fruit	18	101	19	124	129	13	78	14	86	
Peach	19	98	18	94	97	18	107	18	105	
Pear	42.0	295.0	42	317	303	40	323	42	352	
Picanut	-	-	1	0	0	1	1	1	1	
Pineapple	105	1571	110	1737	1984	110	1924	114	1969	
Plum	24	74	23	76	72	22	82	23	80	
Pomegranate	113	745	131	1346	1789	197	2306	216	2521	
Sapota	164	1495	177	1744	1339	107	1294	105	1252	
Strawberry			0	2	8	1	5	1	5	
Walnut	123	233	122	241	238	92	229	93	230	
Watermelon	81	1789	75	1810	2145	95	2325	91	2169	
Others	915	5482	901	5372	2938	275	2386	279	2268	
Total Fruits	7062	83075	7216	88977	89514	6301	90183	6457	93707	
Vegetables										
Beans	124	1269	138	1370	2204	232	2334	230	2408	
Bitterguard	83	940	79	807	770	93	1046	98	1106	
Bottleguard	114	2090	103	1819	1826	149	2458	155	2573	
Brijjal	722	13444	711	13558	12589	663	12515	727	12323	

(Contd.)

Crops	2012-13		2013-14		2014-15		2015-16		2016-17 (3rd Advance Estimate)	
	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Cabbage	372	8534	400	9039	386	8585	394	8806	394	8720
Capsicum	29	153	30	167	32	183	46	288	24	333
Carrot	64	1145	62	1074	64	968	82	1338	88	1379
Cauliflower	402	7887	434	8573	411	7926	426	8090	451	8484
Cucumber	41	641	43	678	43	678	71	1202	77	1246
Chillies (Green)	140	1687	181	1998	181	1998	292	2955	292	3390
Elephant Foot Yam	42	868	37	761	42	863	45	935	47	987
Mushroom			17			51	170	436	183	459
Okra/ Ladyfinger	531	6350	533	6346	504	5709	511	5849	501	5783
Onion	1052.0	16813.0	1204	19402	1173	18927	1320	20931	1293	21718
Parmlal(pointed gourd)			13	169	18	347	18	264	20	289
Peas	421	4006	434	3869	476	4652	498	4811	540	5252
Potato	1992	45344	1973	41555	2076	48009	2117	43417	2151	48237
Radish	170	2411	173	2485	168	2307	199	2844	203	2889
Sitaphal/Pumpkin/Kaddu	16	373	20	416	49	1122	68	1509	72	1611
Sweet Potato	112	1132	106	1088	107	1228	126	1454	132	1473
Tapioca	207	7237	228	8139	208	4373	204	4344	203	4421

(Contd.)

Crops	2012-13		2013-14		2014-15		2015-16		2016-17 (3rd Advance Estimate)	
	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Tomato	880	18227	882	18736	767	16385	774	18732	799	19542
Others	1751	21535	1574	19108	1654	25053	1625	22707	1631	21811
Total Vegetables	9321	161087	9459	167429	9417	166566	10106	169064	10295	176177
Aromatic	557	918	493	895	659	1000	634	1022	665	1042
Flowers Cut*		76732		543		484		528		582
Flowers Loose	233	1729	255	1754	249	1659	278	1656	328	1695
Total Flowers	233	1729	255	2297	249	2143	278	2184	328	2277
Honey				76		81		88		95
Plantation Crops										
Areca nut	446	609	452	622	450	747	474	714	459	718
Cashewnut	992	753	1011	753	1030	745	1036	671	1041	779
Cocoa	66	13	71	15	78	16	81	17	83	19
Coconut	2137	15609	2140	14911	1976	14067	2088	15256	2076	16837
Total Plantation	3641	16985	3675	16301	3534	15575	3680	16658	3659	18353
Spices										
Ajwan	35	27	27	19	24	16	24	16	29	26
Cardamom	92	18	93	21	100	24	86	24	85	28
Chillies (Dried)	794	1304	775	1492	761	1605	811	1520	845	2126
Cinnamon/Tejpata	3	5	3	5	3	5	3	5	3	5
Celery, Dill & Poppy	33	33	33	33	24	21	26	23	36	35

(Contd.)

Crops	2012-13		2013-14		2014-15		2015-16		2016-17 (3rd Advance Estimate)	
	Area	Production	Area	Production	Area	Production	Area	Production	Area	Production
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Clove	2	1	2	1	2	1	2	1	2	1
Coriander	543	524	447	314	553	462	582	585	704	900
Cumin	594	394	859	514	890	486	808	503	781	489
F.Greek	93	113	66	90	123	131	219	247	210	256
Fennel	100	143	54	70	39	60	76	129	91	153
Garlic	248	1259	231	1252	262	1425	281	1617	322	1697
Ginger	136	683	133	655	142	760	164	1109	168	1076
Nutmeg	17	13	19	13	21	14	21	14	23	15
Pepper	125	53	124	51	129	65	129	55	131	72
Vanilla	7	1	7	1	6	1	4	0	4	0
Tamarind	58	202	59	188	54	202	53	194	49	191
Turmeric	194	971	233	1190	184	830	186	943	222	1132
Total Spices	3076	5744	3163	5908	3317	6108	3474	6988	3705	8202
Total	23891	269537	24260	281884	23410	280986	24472	286188	25109	299853

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).
Figure of Production under Grand Total does not include Production of Cut-Flowers upto 2012-13

Table 5.2: Statewise Area and Production of various Horticultural Crops during the Year 2016-17 (3rd Advance Estimate)

State/UTs	Area in '000 Ha Production in '000 MT															
	Fruits		Vegetables		Flowers		Aromatic		Spices		Plantation		Honey		Total	
	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Andhra Pradesh	593.13	12489.15	242.70	6223.50	18.51	156.66	0.00	1.26	47.65	272.88	1201.26	314.82	1558.86	1.70	1443.29	21678.78
Arunachal Pradesh	49.05	125.22	2.23	16.92	0.02	0.01	0.07	0.46	0.99	11.44	68.72	0.07	0.10	0.10	63.27	212.04
Assam	164.20	2317.76	340.69	3981.72	5.15	34.35	57.12	4.49	0.17	119.99	291.30	95.44	190.29	1.00	729.97	6873.71
Bihar	307.79	4234.62	841.91	14520.97	0.66	7.96	0.00	4.50	0.60	8.88	10.57	14.90	97.30	9.00	1178.64	18881.02
Chhattisgarh	220.76	2480.39	489.23	6728.00	11.88	66.20	66.41	8.54	60.39	12.10	12.15	15.57	30.56	0.65	758.08	9444.75
Gujarat	396.45	8561.95	702.80	13535.40	19.69	186.00	0.00	0.00	0.00	502.30	868.07	30.33	223.91	0.45	1651.57	23375.78
Haryana	61.59	786.06	411.05	6135.41	5.51	56.23	4.86	0.33	1.52	17.05	77.80	0.00	0.00	4.00	495.54	7065.87
Himachal Pradesh	226.80	639.01	93.12	1774.89	0.72	23.40	9.78	1.12	0.91	7.71	22.78	0.00	0.00	5.20	329.47	2475.96
Jammu & Kashmir	294.94	2132.05	63.26	1400.23	49.58	29.70	0.39	3.83	0.01	4.92	0.96	0.00	0.00	1.15	416.52	3564.50
Jharkhand	100.79	1047.67	293.53	3370.00	1.05	13.33	29.67	0.00	0.00	0.00	0.00	14.83	5.83	1.25	410.20	4467.75
Karnataka	409.49	6910.74	469.17	8617.26	52.37	238.73	62.31	1.95	20.36	225.41	399.44	883.24	5194.39	2.00	2041.62	21445.23
Kerala	248.06	2492.15	137.19	1995.05	26.57	0.04	4.85	0.01	0.00	167.44	140.64	978.28	5346.78	2.70	1557.54	9982.20
Madhya Pradesh	319.25	6088.75	815.36	14480.47	23.00	229.80	0.00	72.90	502.07	524.59	1077.89	2.29	3.52	2.15	1757.39	22384.64
Maharashtra	780.23	11274.75	700.37	10472.72	12.23	71.61	35.15	0.04	0.03	41.81	371.72	214.01	447.36	1.50	1748.70	22674.84
Manipur	49.68	446.34	42.99	311.71	0.11	0.06	0.21	0.00	0.00	10.47	23.14	0.90	0.32	0.32	104.15	781.78
Meghalaya	37.99	447.29	50.05	544.38	0.06	0.00	3.35	0.00	0.00	18.61	92.16	25.52	32.96	0.20	132.23	1120.33
Mizoram	62.32	339.05	37.02	179.04	0.20	0.48	0.00	0.93	0.90	24.81	97.20	11.90	7.38	0.15	137.18	624.20
Nagaland	39.84	394.91	47.10	558.93	0.13	0.18	0.48	0.11	0.48	15.69	105.00	2.05	9.34	0.45	104.92	1069.77

(Contd.)

State/UTs	Fruits		Vegetables		Flowers		Aromatic		Spices		Plantation		Honey		Total	
	Area	Prod.	Area	Prod.	Area	Production	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.	Area	Prod.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Odisha	340.99	2432.29	639.34	8760.09	0.64	2.18	5.06	1.92	0.61	146.64	201.96	234.22	319.39	1.25	1363.74	11722.84
Punjab	86.66	1822.65	231.73	4650.41	2.05	12.82	0.00	12.52	2.43	31.33	98.88	0.00	0.00	0.00	364.30	6602.18
Rajasthan	57.49	846.73	197.91	1991.54	3.35	5.90	0.00	401.02	195.20	1004.39	1349.05	0.00	0.00	6.00	1664.16	4394.42
Sikkim	18.15	24.80	23.40	155.74	0.24	16.50	0.09	0.00	0.00	32.25	66.58	0.00	0.00	0.35	74.05	264.05
Tamilnadu	341.90	6426.34	262.52	6790.13	32.29	409.03	7.55	13.88	194.06	108.14	195.32	630.42	4263.49	1.80	1389.14	18287.71
Telangana	272.52	3416.24	178.18	3369.70	6.56	24.66	9.98	0.02	0.10	184.18	786.95	0.50	1.47		641.95	7609.09
Tripura	57.76	586.43	46.02	785.31	0.00	0.00	0.00	0.00	0.00	5.69	18.04	16.08	33.48		125.55	1423.26
Uttar Pradesh	473.05	10418.30	1435.23	27696.03	21.59	46.54	71.75	135.04	13.53	60.57	227.36	0.00	0.00	17.00	2125.48	38490.52
Uttarakhand	175.51	666.56	90.02	948.12	1.34	1.75	11.46	0.00	0.00	14.58	36.59	0.00	0.00	2.50	281.45	1666.98
West Bengal	252.51	3708.45	1371.96	25682.01	26.04	60.12	200.88	0.00	0.00	128.05	356.54	52.47	293.44	15.80	1831.02	30317.24
Others	18.39	150.27	38.75	501.79	6.58	0.78	0.46	0.01	0.01	2.75	3.86	121.50	293.08	1.25	187.98	951.50
Total	6457.28	93706.87	10294.81	176177.45	328.12	1695.04	581.88	664.86	1042.01	3704.65	8201.93	3659.34	18353.25	94.50	25109.05	299852.93

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

P (cut) = Production in (lakh Nos.)

Figure of Production under 'Total' does not include Production of Cut-Flowers

Table 5.3 (a): Potato: All-India Area, Production and Yield

Year	Area	Production	Area - Million Hectares
			Production - Million Tonnes
			Yield - Kg./Hectare
(1)	(2)	(3)	(4)
1950-51	0.24	1.66	6917
1951-52	0.25	1.71	6848
1952-53	0.26	1.99	7812
1953-54	0.26	1.96	7611
1954-55	0.27	1.76	6632
1955-56	0.28	1.86	6639
1956-57	0.29	1.72	6028
1957-58	0.32	2.00	6243
1958-59	0.34	2.35	6947
1959-60	0.36	2.73	7550
1960-61	0.38	2.72	7251
1961-62	0.37	2.45	6704
1962-63	0.41	3.37	8152
1963-64	0.42	2.59	6249
1964-65	0.43	3.61	8395
1965-66	0.48	4.08	8513
1966-67	0.47	3.52	7440
1967-68	0.50	4.23	8441
1968-69	0.52	4.73	9011
1969-70	0.50	3.91	7888
1970-71	0.48	4.81	9976
1971-72	0.49	4.83	9810
1972-73	0.51	4.45	8821
1973-74	0.54	4.86	8946
1974-75	0.59	6.23	10598
1975-76	0.62	7.31	11738
1976-77	0.62	7.17	11573
1977-78	0.67	8.14	12228
1978-79	0.81	10.13	12555
1979-80	0.69	8.33	12152
1980-81	0.73	9.67	13258
1981-82	0.76	9.91	12996
1982-83	0.74	9.96	13549
1983-84	0.79	12.15	15299
1984-85	0.85	12.57	14806

(Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1985-86	0.84	10.42	12364
1986-87	0.83	12.74	15322
1987-88	0.89	14.05	15869
1988-89	0.93	14.86	15929
1989-90	0.94	14.77	15714
1990-91	0.94	15.21	16254
1991-92	1.03	16.39	15904
1992-93	1.05	15.23	14458
1993-94	1.05	17.39	16610
1994-95	1.07	17.40	16262
1995-96	1.11	18.84	16973
1996-97	1.25	24.22	19376
1997-98	1.21	17.65	14587
1998-99	1.32	23.61	17886
1999-00	1.34	24.71	18443
2000-01	1.22	22.49	18404
2001-02	1.21	23.92	19806
2002-03	1.35	23.27	17300
2003-04	1.29	23.06	17887
2004-05	1.32	23.63	17923
2005-06	1.40	23.91	17058
2006-07	1.48	22.18	14943
2007-08	1.55	28.47	18331
2008-09	1.83	34.39	18810
2009-10	1.84	36.58	19951
2010-11	1.86	42.34	22724
2011-12	1.91	41.48	21753
2012-13	1.99	45.34	22760
2013-14	1.97	41.56	21060
2014-15	2.08	48.01	23126
2015-16	2.12	43.42	20509
2016-17 (3rd Adv Est)	2.15	48.24	22422

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.3 (b) : Potato: Area, Production and Yield in Major Producing States

State/ UTs	2015-16			2016-17 (3rd Advance Estimate)			Area-000' Hectares Production- 000'Tonnes Yield-Kg/Hectare			
	Area (2)	% to All India (3)	Production (4)	% to All India (5)	Yield (6)	Area (7)		% to All India (8)	Production (9)	% to All India (10)
Uttar Pradesh	607.32	28.69	13851.76	31.90	22808	614.35	28.56	15076.88	31.26	24541
West Bengal	427.00	20.17	8427.00	19.41	19735	407.00	18.92	11234.80	23.29	27604
Bihar	319.1	15.08	6345.52	14.62	19884	320.48	14.90	6377.71	13.22	19900
Gujarat	112.40	5.31	3549.38	8.18	31578	113.52	5.28	3584.87	7.43	31578
Madhya Pradesh	141.05	6.66	3161.00	7.28	22410	146.84	6.83	2990.75	6.20	20368
Punjab	92.36	4.36	2385.26	5.49	25826	97.42	4.53	2519.93	5.22	25866
Assam	104.83	4.95	1037.26	2.39	9895	106.27	4.94	1066.20	2.21	10033
Haryana	34.27	1.62	853.81	1.97	24912	34.53	1.61	935.77	1.94	27101
Chhattisgarh	41.95	1.98	644.83	1.49	15371	44.08	2.05	678.57	1.41	15394
Jharkhand	44.93	2.12	627.01	1.44	13955	52.73	2.45	668.66	1.39	12681
Others	191.68	9.05	2534.22	5.84	13221	214.06	9.95	3102.52	6.43	14494
All India	2116.93	100.00	43417.05	100.00	20509	2151.28	100.00	48236.65	100.00	22422

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2016-17.

Table 5.4 (a): Onion: All-India Area, Production and Yield

Area - Million Hectares
Production - Million Tonnes
Yield - Kg./Hectare

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
1978-79	0.21	2.20	10403
1979-80	0.24	2.50	10232
1980-81	0.25	2.50	9961
1981-82	0.25	2.65	10562
1982-83	0.24	2.43	10330
1983-84	0.27	2.70	9982
1984-85	0.28	3.10	11139
1985-86	0.28	2.86	10202
1986-87	0.26	2.53	9659
1987-88	0.27	2.70	9857
1988-89	0.32	3.35	10620
1989-90	0.30	3.07	10176
1990-91	0.30	3.23	10686
1991-92	0.32	3.58	11088
1992-93	0.32	3.49	10791
1993-94	0.37	4.01	10902
1994-95	0.38	4.04	10661
1995-96	0.40	4.08	10316
1996-97	0.40	4.18	10348
1997-98	0.40	3.62	9091
1998-99	0.47	5.33	11391
1999-00	0.49	4.90	9932
2000-01	0.42	4.55	10786
2001-02	0.45	4.83	10686
2002-03	0.42	4.21	9912
2003-04	0.50	5.92	11784
2004-05	0.55	6.43	11718
2005-06	0.66	8.68	13118
2006-07	0.70	8.89	12655
2007-08	0.70	9.14	12974
2008-09	0.83	13.48	16260
2009-10	0.76	12.16	16079
2010-11	1.06	15.12	14210
2011-12	1.09	17.51	16109
2012-13	1.05	16.81	15989
2013-14	1.20	19.40	16120
2014-15	1.17	18.93	16111
2015-16	1.32	20.93	15857
2016-17(3rd Adv Est)	1.29	21.72	16801

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.4 (b): Onion: Area, Production and Yield in major producing States

State/ UTs	2015-16			2016-17 (3rd Advance Estimate)			Area-000' Hectares Production- 000'Tonnes Yield-Kg/Hectare			
	Area (2)	% to All India (3)	Production (4)	% to All India (5)	Yield (6)	Area (7)		% to All India (8)	Production (9)	% to All India (10)
Maharashtra	522.35	39.57	6529.34	31.2	12500	471.67	364.9	6603.32	30.4	14000
Karnataka	190.21	14.41	2695.99	12.9	14174	200.90	155.4	3369.14	15.5	16770
Madhya Pradesh	118.20	8.95	2848.00	13.6	24095	133.76	103.5	2965.87	13.7	22172
Rajasthan	86.31	6.54	1435.11	6.9	16628	85.00	65.8	1410.00	6.5	16588
Gujarat	53.20	4.03	1355.78	6.5	25485	53.73	41.6	1369.34	6.3	25485
Bihar	54.03	4.09	1247.34	6.0	23086	54.06	41.8	1248.96	5.8	23105
Andhra Pradesh	45.02	3.41	885.42	4.2	19667	41.53	32.1	913.70	4.2	22000
Haryana	30.65	2.32	705.80	3.4	23031	31.01	24.0	617.09	2.8	19903
West Bengal	33.98	2.57	544.55	2.6	16028	29.00	22.4	465.45	2.1	16050
Uttar Pradesh	24.96	1.89	422.75	2.0	16938	25.95	20.1	424.63	2.0	16365
Others	161.14	12.21	2261.14	10.8	14032	166.01	128.4	2330.15	10.7	14036
All India	1320.04	100.00	20931.21	100.0	15857	1292.61	100.0	21717.66	100.0	16801

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2016-17.

Table 5.5 (a): Coconut: All-India Area, Production and Yield

Year	Area	Production	Area - '000 Hectares
			Production - '000 Tonnes
			Yield - Kg./Hectare
(1)	(2)	(3)	(4)
1991-92	1529	10080	6593
2001-02	1893	12822	6773
2002-03	1893	12822	6773
2003-04	1934	12178	6297
2004-05	1935	8829	4563
2005-06	2029	14809	7299
2006-07	1940	15831	8160
2007-08	1903	14748	7750
2008-09	1903	14748	7750
2009-10	1895	15730	8301
2010-11	1896	10840	5717
2011-12	2071	14940	7214
2012-13	2137	15609	7304
2013-14	2140	14911	6966
2014-15	1976	14067	7120
2015-16	2088	15256	7305
2016-17(3rd Adv Est)	2076	16837	8109

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.5(b): Coconut: Area and Production in major Producing States

State/ UTs	2015-16			2016-17 (3rd Advance Estimate)			Area-000' Hectares Production- 000'Tonnes Yield-Kg/Hectare			
	Area (2)	% to All India (3)	Production (4)	% to All India (5)	Yield (6)	Area (7)		% to All India (8)	Production (9)	% to All India (10)
Kerala	770.62	36.90	5113.14	33.5	6635	771.09	37.14	5136.00	30.50	6661
Karnataka	526.38	25.20	3529.83	23.1	6706	513.85	24.75	4671.07	27.74	9090
Tamil Nadu	459.74	22.01	4247.12	27.8	9238	452.86	21.81	4184.43	24.85	9240
Andhra Pradesh	103.95	4.98	982.42	6.4	9451	104.57	5.04	1439.16	8.55	13762
West Bengal	29.51	1.41	257.11	1.7	8712	29.63	1.43	258.32	1.53	8720
Odisha	50.91	2.44	226.00	1.5	4440	50.90	2.45	225.50	1.34	4430
Gujarat	22.81	1.09	215.20	1.4	9433	23.04	1.11	217.35	1.29	9433
Maharashtra	27.75	1.33	186.67	1.2	6728	27.81	1.34	190.75	1.13	6858
Assam	19.73	0.94	91.25	0.6	4625	24.71	1.19	118.27	0.70	4786
Bihar	14.90	0.71	97.30	0.6	6530	14.90	0.72	97.30	0.58	6530
Others	62.18	2.98	310.29	2.0	4990	63.07	3.04	298.90	1.78	4739
All India	2088.47	100.00	15256.33	100.0	7305	2076.43	100.00	16837.04	100.00	8109

Source : Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Note: States have been arranged in descending order of percentage share in production during 2016-17.

Table 5.6 (a) : Cashewnut: All-India Area, Production and Yield

Year	Area	Productive Area	Area - '000 Hectares	
			Production - '000 Tonnes	Yield - Kg./Hectare
(1)	(2)	(3)	(4)	(5)
1990-91	532	464	295	636
1991-92	534	482	305	633
1992-93	560	508	349	687
1993-94	565	517	348	673
1994-95	577	510	322	631
1995-96	635	485	418	862
1996-97	659	515	430	835
1997-98	675	512	360	703
1998-99	706	573	460	803
1999-00	686	601	520	865
2000-01	720	627	450	710
2001-02	750	666	470	710
2002-03	770	675	500	760
2003-04	780	684	535	800
2004-05	820	700	544	810
2005-06	837	760	573	815
2006-07	854	765	620	820
2007-08	868	770	665	860
2008-09	893	835	695	773
2009-10	923	882	613	695
2010-11	945	906	653	720
2011-12	981	935	692	749
2012-13	982	944	728	772
2013-14	1008	966	737	782
2014-15	1027	976	725	706
2015-16	1034	1001	670	650
2016-17	1040	999	779	753

Source : Directorate of Cashewnut and Cocoa Development, Cochin, Kerala

Table 5.6 (b) : Cashewnut: Area, Production and Yield in major producing States

State/ UTs	2015-16				2016-17				Area-000' Hectares Production- 000 ³ Tonnes Yield-Kg/Hectare	
	Area (2)	% to All India (3)	Production (4)	% to All India (5)	Yield (6)	Area (7)	% to All India (8)	Production (9)		% to All India (10)
Maharashtra	186.20	18.0	220.00	32.8	1200	186.20	17.9	256.61	32.9	1378
Andhra Pradesh	185.57	17.9	95.50	14.2	490	185.57	17.8	111.39	14.3	600
Odisha	182.91	17.7	80.50	12.0	430	183.32	17.6	93.90	12.0	513
Karnataka	125.86	12.2	73.00	10.9	572	127.86	12.3	85.15	10.9	672
Kerala	87.01	8.4	72.00	10.7	851	90.87	8.7	83.98	10.8	962
Tamil Nadu	141.33	13.7	58.00	8.7	400	141.58	13.6	67.65	8.7	478
Goa	58.17	5.6	28.00	4.2	450	58.18	5.6	32.66	4.2	561
Others	67.30	6.5	43.30	6.5	643	67.31	6.5	48.00	6.2	713
Total	1034.36	100.0	670.30	100.0	650	1040.89	100.0	779.34	100.0	753

Source : Directorate of Cashewnut and Cocoa Development, Cochin, Kerala

Note: States have been arranged in descending order of percentage share in production during 2016-17.

Table 5.7: Arecanut and Banana: All-India Area, Production and Yield

Year	Area	Production	Area - '000 Hectares
			Production - '000 Tonnes
(1)	(2)	(3)	Yield - Kg./Hectare
(1)	(2)	(3)	(4)
Arecanut			
1997-98	273.70	333.50	1218
1998-99	277.50	309.80	1116
1999-00	289.00	334.40	1157
2000-01	315.20	373.10	1184
2001-02	340.90	403.10	1182
2002-03	354.30	415.90	1174
2003-04	365.00	439.20	1203
2004-05	364.30	452.70	1243
2005-06	381.10	483.10	1268
2006-07	382.38	473.23	1238
2007-08	386.69	478.07	1236
2008-09	387.10	481.30	1243
2009-10	400.10	478.00	1195
2010-11	400.30	478.10	1194
2011-12	463.90	680.70	1467
2012-13	446.39	608.72	1364
2013-14	451.90	622.27	1377
2014-15	450.00	747.00	1660
2015-16	474.36	713.84	1505
2016-17(3rd Adv Est)	459.01	717.89	1564
Banana			
1997-98	446.70	12642.50	28302
1998-99	445.70	12425.40	27878
1999-00	464.60	11123.50	23942
2000-01	458.50	12899.20	28133
2001-02	432.40	12519.20	28953
2002-03	475.30	13304.40	27992
2003-04	390.50	11388.00	29163
2004-05	404.20	11710.30	28972
2005-06	423.60	12104.50	28575
2006-07	477.24	16608.71	34802
2007-08	532.48	17646.81	33141
2008-09	709.00	26217.00	36977
2009-10	770.30	26469.50	34363
2010-11	830.00	29780.00	35880
2011-12	795.50	28455.10	35725
2012-13	776.00	26509.00	34161
2013-14	802.57	29724.55	37037
2014-15	822.00	29221.00	35549
2015-16	841.19	29134.82	34635
2016-17(3rd Adv Est)	851.78	30275.22	35544

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.8 : Garlic and Ginger: All-India Area, Production and Yield

Year	Area	Production	Area - '000 Hectares
			Production - '000 Tonnes
(1)	(2)	(3)	Yield - Kg./Hectare
Garlic			
1997-98	108.80	484.40	4452
1998-99	123.20	570.70	4632
1999-00	124.60	524.60	4210
2000-01	69.20	247.10	3571
2001-02	92.20	386.30	4190
2002-03	111.50	457.00	4099
2003-04	138.90	691.10	4976
2004-05	144.10	646.60	4487
2005-06	134.90	598.20	4434
2006-07	159.20	776.26	4876
2007-08	205.08	1068.42	5210
2008-09	181.09	821.16	4535
2009-10	164.86	833.97	5059
2010-11	201.00	1058.00	5264
2011-12	242.49	1228.32	5065
2012-13	247.52	1259.27	5088
2013-14	230.59	1251.88	5429
2014-15	262.00	1425.00	5439
2015-16	280.95	1617.34	5757
2016-17(3rd Adv Est)	322.43	1697.10	5263
Ginger			
1997-98	75.60	252.10	3335
1998-99	77.60	263.20	3392
1999-00	80.80	282.60	3498
2000-01	86.20	288.00	3341
2001-02	91.30	322.10	3528
2002-03	88.20	280.20	3177
2003-04	85.10	301.90	3548
2004-05	95.30	359.00	3767
2005-06	110.60	391.20	3537
2006-07	106.10	393.44	3708
2007-08	104.07	382.57	3676
2008-09	108.64	380.10	3499
2009-10	107.54	385.33	3583
2010-11	149.00	702.00	4711
2011-12	155.06	755.62	4873
2012-13	136.25	682.63	5010
2013-14	132.62	655.06	4939
2014-15	142.00	760.00	5352
2015-16	163.62	1109.18	6779
2016-17(3rd Adv Est)	168.09	1075.82	6400

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.9: Sweet Potato and Tapioca: All-India Area, Production and Yield

	Area - '000 Hectares		
		Production - '000 Tonnes	
			Yield - Kg/Hectare
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Sweet Potato			
1997-98	128.80	1171.00	9092
1998-99	134.40	1152.40	8574
1999-00	122.90	1110.60	9037
2000-01	101.30	838.30	8275
2001-02	96.70	834.60	8631
2002-03	104.20	956.20	9177
2003-04	106.40	937.80	8814
2004-05	107.20	932.50	8699
2005-06	106.80	955.10	8943
2006-07	106.60	963.70	9040
2007-08	106.00	942.60	8892
2008-09	124.00	1120.00	9032
2009-10	118.90	1094.70	9207
2010-11	113.00	1047.00	9265
2011-12	110.40	1072.80	9719
2012-13	111.76	1132.36	10132
2013-14	105.87	1087.88	10276
2014-15	107.00	1228.00	11477
2015-16	126.38	1454.33	11508
2016-17(3rd Adv Est)	132.43	1473.37	11126
Tapioca			
1997-98	264.60	7007.80	26485
1998-99	243.40	5830.40	23954
1999-00	223.50	6014.10	26909
2000-01	251.80	7123.80	28292
2001-02	247.60	6834.00	27601
2002-03	189.80	4827.60	25435
2003-04	219.00	5945.30	27147
2004-05	229.40	5854.80	25522
2005-06	242.40	7620.20	31436
2006-07	256.43	8429.04	32871
2007-08	253.45	8722.39	34415
2008-09	280.00	9623.00	34368
2009-10	231.90	8059.90	34756
2010-11	221.00	8076.00	36543
2011-12	226.70	8746.50	38582
2012-13	206.96	7236.59	34966
2013-14	228.28	8139.43	35655
2014-15	208.00	4373.00	21024
2015-16	203.50	4344.16	21347
2016-17(3rd Adv Est)	203.44	4420.69	21730

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.10: Turmeric, Chillies and Coriander: All-India Area, Production and Yield

	Area - '000 Hectares	Production - '000 Tonnes	Yield - Kg./Hectare
Year	Area	Production	Yield
(1)	(2)	(3)	(4)
Turmeric			
1997-98	139.70	549.20	3931
1998-99	160.70	597.90	3721
1999-00	141.20	668.50	4734
2000-01	191.70	714.30	3726
2001-02	167.10	562.80	3368
2002-03	150.10	522.20	3479
2003-04	150.10	564.90	3763
2004-05	158.70	718.10	4525
2005-06	172.00	851.70	4952
2006-07	178.49	786.75	4408
2007-08	175.28	794.40	4532
2008-09	181.10	821.20	4535
2009-10	180.96	792.98	4382
2010-11	195.00	993.00	5092
2011-12	218.60	1,166.80	5337
2012-13	194.20	971.10	5000
2013-14	232.67	1189.89	5114
2014-15	184.00	830.00	4511
2015-16	185.90	943.30	5074
2016-17(3rd Adv Est)	221.59	1131.64	5107
Chillies (Dried)			
1997-98	840.60	870.10	1035
1998-99	891.20	1043.20	1171
1999-00	959.20	1052.80	1098
2000-01	836.50	983.70	1176
2001-02	880.00	1069.00	1215
2002-03	827.40	894.60	1081
2003-04	774.30	1235.70	1596
2004-05	737.50	1185.50	1607
2005-06	654.00	1014.60	1551
2006-07	763.23	1242.11	1627
2007-08	805.81	1297.85	1611
2008-09	779.10	1269.90	1630
2009-10	767.23	1202.94	1568

(Contd.)

Year	Area	Production	Yield
(1)	(2)	(3)	(4)
2010-11	792.00	1223.00	1544
2011-12	804.80	1276.30	1586
2012-13	794.10	1304.40	1643
2013-14	774.87	1492.14	1926
2014-15	761.00	1605.00	2109
2015-16	811.14	1520.39	1874
2016-17(3rd Adv Est)	844.58	2126.04	2517
Coriander			
1997-98	656.50	337.70	514
1998-99	525.80	292.40	556
1999-00	415.10	239.30	576
2000-01	353.60	231.30	654
2001-02	429.20	319.40	744
2002-03	285.80	174.00	609
2003-04	483.50	389.80	806
2004-05	348.90	248.00	711
2005-06	340.40	223.40	656
2006-07	320.83	233.23	727
2007-08	384.22	309.60	806
2008-09	396.85	242.13	610
2009-10	360.00	236.72	658
2010-11	530.00	482.00	909
2011-12	557.90	532.90	955
2012-13	543.20	523.90	964
2013-14	447.13	313.65	701
2014-15	553.00	462.00	835
2015-16	581.60	584.98	1006
2016-17(3rd Adv Est)	703.90	899.53	1278

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

Table 5.11: All-India Area, Production and Yield of Cardamom & Pepper

Year	Area	Production	Area - '000 Hectares
			Production - '000 Tonnes
(1)	(2)	(3)	Yield - Kg./Hectare
Cardamom			
1997-98	94.30	11.70	123
1998-99	85.00	9.00	106
1999-00	84.80	10.70	126
2000-01	92.40	14.50	157
2001-02	91.60	15.20	166
2002-03	88.50	15.40	174
2003-04	95.60	16.70	175
2004-05	95.20	16.90	178
2005-06	95.80	17.80	186
2006-07	98.20	15.70	160
2007-08	81.80	13.40	164
2008-09	91.99	15.45	168
2009-10	90.20	15.72	174
2010-11	87.00	16.00	184
2011-12	89.00	15.80	178
2012-13	92.40	18.40	199
2013-14	92.84	21.28	229
2014-15	100.00	24.00	240
2015-16	85.66	24.07	281
2016-17(3rd Adv Est)	84.66	27.66	327
Pepper			
1997-98	181.50	57.30	316
1998-99	239.80	75.70	316
1999-00	195.60	59.00	302
2000-01	213.90	63.70	298
2001-02	219.38	62.44	285
2002-03	224.40	71.70	320
2003-04	233.40	73.20	314
2004-05	228.30	73.02	320
2005-06	260.23	92.90	357
2006-07	245.96	69.01	281
2007-08	197.00	47.06	239
2008-09	238.71	47.40	199
2009-10	195.92	51.02	260
2010-11	184.00	52.00	183
2011-12	200.30	40.60	203
2012-13	124.60	52.60	422
2013-14	123.81	50.87	411
2014-15	129.00	65.00	504
2015-16	128.59	54.64	425
2016-17(3rd Adv Est)	131.21	71.87	548

Source: Department of Agriculture, Cooperation & Farmers Welfare (Horticulture Statistics Division).

6

All India Index Numbers of Area,
Production, Yield and Terms of Trade

Table 6.1: All India Index Numbers of Area of Principal Crops

(I.E.: 2007-08=100)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rice	100.3	104.0	95.7	97.9	100.5	97.6	100.8	100.7	99.3	98.6
Wheat	101.9	100.9	103.5	105.7	108.6	109.1	110.8	114.4	110.6	111.2
Jowar	93.5	90.7	93.8	88.9	75.2	74.9	69.8	74.2	73.2	62.0
Bajra	100.2	91.6	93.2	100.6	91.9	76.4	81.8	76.6	74.6	78.2
Máize	103.2	103.9	105.0	108.7	111.6	110.2	115.3	116.8	111.9	125.3
Ragi	101.5	101.1	92.8	94.1	86.1	82.8	87.4	88.4	83.3	76.1
Small Millets	100.1	87.2	80.0	77.1	77.0	72.7	65.7	56.8	62.6	56.8
Barley	96.2	112.7	99.6	112.6	102.7	111.0	107.5	113.0	94.1	106.4
Coarse Cereals	99.9	97.9	98.5	101.2	96.4	92.1	94.4	95.0	91.3	95.3
Cereals	100.9	101.6	99.5	101.8	103.3	101.6	104.0	105.7	102.9	103.5
Tur	102.8	93.2	95.7	120.5	110.6	107.5	107.8	106.4	109.4	149.1
Gram	103.0	107.8	111.6	125.5	113.4	116.4	135.6	112.7	114.7	130.9
Moong	111.5	85.0	91.8	108.0	101.3	81.3	101.2	90.3	114.5	129.5
Urad	104.1	87.4	96.6	105.4	104.4	101.8	98.8	104.8	117.0	145.4
Lentil	91.5	96.4	103.7	111.9	109.5	99.7	94.0	102.9	89.4	NA
Other Pulses	96.4	91.5	96.3	102.7	93.3	83.3	84.5	87.2	89.7	132.6
Total Pulses	102.4	97.3	102.2	116.4	107.6	103.9	112.8	104.2	109.0	128.1
Foodgrains	101.2	100.9	100.0	104.4	104.1	102.0	105.6	105.4	103.9	107.9
Groundnut	101.2	99.2	88.1	94.2	84.7	76.0	88.6	76.7	74.0	85.5
Castor	103.6	114.0	96.7	115.9	193.6	162.4	139.9	143.4	139.6	109.2

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Niger	94.7	91.4	87.3	86.2	84.7	72.1	69.4	53.9	58.5	58.9
Sesamum	103.3	103.9	111.5	119.6	109.2	97.9	96.4	100.2	112.0	98.4
R & M	87.9	95.0	84.3	104.1	88.9	96.0	100.2	87.5	86.7	90.8
Linseed	104.7	91.2	76.5	80.4	72.2	66.3	65.6	63.9	58.8	65.8
Safflower	90.5	83.2	81.3	68.9	70.7	51.8	50.2	49.4	36.0	34.0
Sunflower	89.4	84.8	69.0	43.4	34.2	38.8	31.4	27.6	22.8	16.1
Soyabean	106.9	114.5	117.2	115.6	121.7	130.5	141.1	131.4	139.7	136.2
Total Oilseeds	98.5	101.8	94.8	101.0	97.5	97.5	104.1	94.3	95.4	97.2
Sugarcane	105.3	91.9	86.9	101.7	104.9	104.1	104.0	105.5	102.6	91.4
Cotton	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.5
Jute	103.2	99.6	102.8	98.1	102.5	98.4	95.8	95.0	92.3	89.9
Mesta	102.9	81.1	66.3	69.4	67.3	60.4	57.4	42.2	38.0	40.2
Coconut	98.7	98.7	98.2	98.3	105.9	110.8	110.9	102.4	108.2	107.6
Cotton seed	103.7	103.6	111.6	123.8	134.1	131.9	131.7	141.2	135.4	119.5
Sannhamp	97.2	82.1	76.0	85.6	64.3	53.2	39.0	35.1	33.4	NA
Potato	105.0	123.6	124.0	125.9	127.6	134.6	133.3	140.3	143.1	145.4
Tapioca	101.1	111.7	92.5	88.1	68.2	82.5	90.9	82.9	81.4	81.0
Sweet potato	99.6	116.8	111.8	106.1	107.1	105.2	99.6	100.5	118.3	124.0
Onion	102.2	121.0	109.6	154.3	151.6	152.6	174.6	170.1	191.5	187.5
Banana	111.5	148.4	161.2	173.7	173.7	162.4	168.1	172.1	176.0	178.3
Tobacco	95.9	107.6	122.4	135.3	128.3	117.3	125.5	128.7	124.1	NA

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Guar seed	106.6	118.6	91.8	103.8	105.7	158.1	182.9	164.1	172.0	NA
Black pepper	84.0	101.8	83.6	78.5	85.3	53.3	52.9	55.0	55.0	55.9
Dry chillies	108.7	105.1	103.5	106.9	108.0	107.2	104.6	102.7	109.4	114.0
Dry ginger	97.4	101.6	101.0	139.3	145.0	127.2	124.4	132.8	153.4	157.1
Turmeric	100.0	103.3	103.3	111.3	124.4	110.7	132.9	105.0	106.1	126.7
Areca nut	100.9	100.9	104.3	104.3	117.4	116.3	117.9	117.4	123.6	119.7
Cardamom	89.0	100.1	97.9	94.6	94.6	100.1	101.2	108.8	93.5	92.5
Coriander	110.3	113.9	103.3	152.1	161.9	155.8	128.3	158.7	167.0	202.0
Garlic	123.3	99.9	99.2	120.8	147.2	149.0	138.8	157.5	168.9	193.5
Tea	102.0	102.0	102.0	102.0	102.0	99.9	99.9	99.9	99.9	NA
Coffee	100.4	102.2	103.7	105.1	105.1	107.5	111.2	112.6	115.8	NA
Rubber	103.1	107.5	111.4	115.5	119.3	123.0	126.3	129.1	131.6	133.1
Non Foodgrains	103.0	106.0	104.2	113.9	116.0	116.0	119.2	118.5	119.5	111.4
All Crops	102.1	103.4	102.1	109.1	110.0	108.9	112.3	111.9	111.6	109.6

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates.

Table 6.2: All India Index Numbers of Production of Principal Crops

(I.E.: 2007-08=100)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rice	102.9	105.6	94.8	102.2	112.1	112.0	113.5	112.3	111.1	117.2
Wheat	105.4	108.2	108.3	116.5	127.2	125.4	128.5	116.0	123.7	131.9
Jowar	104.7	95.7	88.5	92.5	79.0	69.8	73.2	71.9	56.0	60.4
Bajra	114.7	102.2	74.8	119.3	118.2	100.6	106.4	105.7	92.8	112.7
Miaze	116.6	121.4	102.9	133.7	133.9	136.9	149.3	148.7	138.8	161.6
Ragi	108.5	102.9	95.2	110.6	97.3	79.4	100.0	103.9	91.9	70.7
Small Milllets	110.0	88.8	76.3	88.3	90.2	87.0	85.9	77.1	78.1	83.7
Barley	95.8	135.3	108.5	133.2	129.7	140.4	146.7	129.2	115.2	139.1
Coarse Cereals	112.1	110.0	92.3	118.9	114.8	109.2	118.0	116.7	104.6	120.0
Cereals	105.5	107.4	100.2	111.1	119.1	117.3	120.7	114.6	115.5	124.0
Tur	113.5	83.6	91.0	105.6	98.0	111.6	117.2	103.6	94.5	176.3
Gram	97.5	119.8	126.8	139.5	130.7	149.9	161.6	124.4	119.7	158.2
Moong	127.4	86.6	57.9	155.9	150.7	99.3	134.4	125.8	133.3	181.0
Urad	106.4	85.9	90.3	127.0	126.4	140.7	121.3	139.9	138.9	200.3
Lentil	91.2	107.1	115.9	106.0	118.9	127.4	114.3	116.3	109.6	NA
Other Pulses	104.3	101.2	85.6	127.1	103.9	108.4	110.2	124.2	109.4	191.7
Total Pulses	105.2	102.1	102.3	129.4	121.6	129.4	135.6	122.0	116.7	163.9
Foodgrains	105.4	106.5	100.6	114.3	119.5	119.4	123.3	115.9	115.7	131.0
Groundnut	125.0	97.6	73.9	112.5	94.8	63.9	132.2	100.8	91.7	103.0
Castor	112.6	125.2	107.9	144.3	245.3	209.9	184.6	199.9	187.3	151.9

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Niger	97.1	103.7	88.6	95.5	87.0	89.4	86.7	67.6	65.8	73.2
Sesamum	112.6	95.3	87.5	132.9	120.6	101.9	106.3	123.2	126.5	116.6
R & M	81.8	100.9	92.6	114.6	92.6	112.5	110.4	88.1	95.3	111.8
Linsced	97.3	100.8	91.5	87.2	90.8	88.5	84.4	92.1	74.7	91.9
Safflower	97.1	81.9	77.4	65.1	62.9	46.9	49.1	39.0	22.9	34.0
Sunflower	106.3	84.1	61.8	47.3	37.5	39.5	36.6	31.5	21.5	17.5
Soyabean	117.1	105.8	106.4	136.0	130.4	156.6	126.7	110.8	91.5	147.3
Total Oilseeds	108.6	100.8	88.9	116.8	106.5	107.4	119.0	99.7	92.5	113.8
Sugarcane	106.1	86.8	89.0	104.3	110.0	103.9	107.3	110.4	106.1	93.4
Cotton	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	148.1
Jute	100.5	94.7	110.4	98.4	105.6	101.7	109.0	104.4	97.8	99.2
Mesta	105.5	77.9	62.5	65.1	70.6	62.8	64.6	54.1	62.1	54.5
Coconut	97.4	97.5	104.0	104.1	104.1	149.9	154.2	135.1	146.5	161.7
Cotton seed	115.9	99.7	107.5	147.7	157.6	153.2	160.7	155.8	134.3	148.1
Sanhemp	98.6	93.1	74.8	173.4	132.2	100.7	88.7	79.8	70.8	NA
Potato	114.6	138.4	147.2	170.4	187.4	182.5	167.2	193.2	174.7	194.1
Tapioca	105.6	116.5	97.6	97.8	77.0	87.6	98.6	53.0	52.6	53.5
Sweet potato	98.8	117.4	114.8	109.8	112.2	118.7	114.1	128.7	152.4	154.4
Onion	102.7	152.4	136.6	169.8	183.6	188.9	218.0	212.6	235.1	244.0
Banana	114.2	169.7	171.3	192.7	172.5	171.5	192.4	189.1	188.5	195.9
Tobacco	93.0	121.0	147.4	170.6	160.0	139.8	156.4	182.0	170.8	NA

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Guar seed	133.6	144.6	44.3	146.8	165.6	183.6	267.8	244.7	211.0	NA
Black pepper	67.6	68.0	73.2	74.6	63.2	76.1	73.2	93.3	78.9	103.3
Dry chillies	109.5	107.2	101.5	103.2	106.0	110.1	125.9	135.5	128.3	179.4
Dry ginger	98.3	97.7	99.0	180.4	194.1	175.5	168.4	195.3	285.0	276.6
Turmeric	98.0	101.3	97.8	122.4	141.2	119.7	146.7	102.3	116.3	139.6
Arcanaut	100.0	100.6	100.0	100.0	130.3	127.4	130.1	156.2	149.3	150.2
Cardamom	85.7	99.1	102.3	102.3	102.3	115.1	134.3	153.5	153.5	179.1
Coriander	121.2	94.8	92.8	188.7	211.8	205.2	122.9	180.9	229.1	352.4
Garlic	131.2	102.1	102.4	129.9	150.6	154.6	153.8	175.0	198.6	208.4
Tea	101.5	101.0	101.0	101.0	101.0	101.0	124.4	123.2	126.9	NA
Coffee	95.4	95.5	105.4	110.0	110.0	110.0	110.9	119.1	126.7	NA
Rubber	99.8	104.5	100.5	104.1	109.2	110.4	93.6	78.0	68.0	83.6
Non Foodgrains	108.6	107.6	105.0	128.0	129.6	129.0	136.4	132.2	126.1	130.2
All Crops	107.0	107.0	102.8	121.1	124.5	124.2	129.8	124.0	120.8	130.6

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates.

Table 6.3: All India Index Numbers of Yield of Principal Crops

(I.E.: 2007-08=100)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Rice	102.6	101.5	99.1	104.4	111.5	114.8	112.6	111.5	111.9	118.9
Wheat	103.4	107.2	104.7	110.2	117.2	115.0	116.0	101.4	111.9	118.6
Jowar	112.0	105.5	94.3	104.1	105.0	93.2	104.9	96.9	76.5	97.5
Bajra	114.5	111.6	80.3	118.6	128.7	131.7	130.2	137.9	124.4	144.1
Máize	113.0	116.8	97.9	122.9	119.9	124.2	129.5	127.4	124.0	128.9
Ragi	106.9	101.7	102.6	117.5	113.0	95.9	114.4	117.5	110.3	92.8
Small Millets	109.9	101.9	95.3	114.6	117.2	119.8	130.6	135.7	124.7	147.4
Barley	99.6	120.1	109.0	118.3	126.2	126.5	136.4	114.4	122.4	130.8
Coarse Cereals	112.3	112.4	93.8	117.5	119.1	118.6	125.0	122.9	114.5	125.9
Cereals	104.5	105.7	100.7	109.1	115.3	115.4	116.0	108.5	112.3	119.8
Tur	110.4	89.7	95.1	87.6	88.6	103.8	108.7	97.4	86.4	118.3
Gram	94.7	111.1	113.7	111.2	115.3	128.7	119.2	110.4	104.4	120.9
Moong	114.3	101.8	63.1	144.3	148.7	122.1	132.8	139.3	116.5	139.8
Urad	102.2	98.3	93.4	120.5	121.1	138.3	122.7	133.5	118.8	137.7
Lentil	99.6	111.1	111.7	94.7	108.6	127.7	121.6	113.0	122.6	NA
Other Pulses	108.2	110.6	88.8	123.7	111.4	130.2	130.4	142.4	121.9	144.6
Total Pulses	102.8	104.9	100.1	111.2	113.1	124.6	120.2	117.0	107.0	127.9
Foodgrains	104.2	105.6	100.6	109.5	114.9	117.1	116.8	110.0	111.3	121.5
Groundnut	123.5	98.4	83.8	119.4	111.9	84.1	149.3	131.3	123.9	120.5
Castor	108.7	109.8	111.5	124.6	126.7	129.3	131.9	139.4	134.1	139.1

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Niger	102.5	113.5	101.5	110.7	102.7	123.9	124.9	125.2	112.6	124.3
Sesamum	109.0	91.7	78.5	111.1	110.4	104.1	110.3	122.9	112.9	118.6
R & M	93.1	106.3	109.9	110.2	104.1	117.3	110.2	100.7	109.9	123.1
Linseed	93.0	110.4	119.6	108.6	125.8	133.5	128.7	144.2	127.1	139.7
Safflower	107.3	98.4	95.1	94.5	88.9	90.6	97.7	78.9	63.6	99.8
Sunflower	118.9	99.2	89.5	108.9	109.7	101.8	116.6	114.4	94.5	108.6
Soyabean	109.5	92.4	90.8	117.6	107.2	120.0	89.8	84.3	65.5	108.1
Total Oilseeds	110.3	99.0	93.8	115.7	109.3	110.1	114.3	105.7	97.0	117.1
Sugarcane	100.8	94.4	102.4	102.5	104.8	99.8	103.2	104.6	103.5	102.2
Cotton	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	124.0
Jute	97.4	95.1	107.4	100.4	103.0	103.3	113.7	109.9	105.9	110.3
Mesta	102.5	96.0	94.3	93.8	105.0	104.0	112.6	128.1	163.5	135.7
Coconut	98.8	98.8	105.8	105.9	98.3	135.3	139.0	131.9	135.4	150.2
Cotton seed	111.7	96.2	96.4	119.4	117.5	116.1	122.0	110.3	99.2	124.0
Sanhemp	101.4	113.4	98.4	202.4	205.5	189.3	227.3	227.3	212.1	NA
Potato	109.1	112.0	118.7	135.3	146.8	135.5	125.4	137.7	122.1	133.5
Tapioca	104.5	104.4	105.5	111.0	112.9	106.2	108.4	63.8	64.7	66.1
Sweet potato	99.3	100.6	102.7	103.4	104.8	112.8	114.6	128.1	128.8	124.6
Onion	100.5	125.9	124.6	110.0	121.1	123.8	124.8	125.0	122.8	130.1
Banana	102.5	114.3	106.3	110.9	99.3	105.6	114.4	109.9	107.1	109.9
Tobacco	97.0	112.5	120.4	126.1	124.6	119.2	124.6	141.4	137.6	NA

(Contd.)

Crops	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Guar seed	125.3	121.9	48.3	141.4	156.6	116.1	146.4	149.1	122.6	NA
Black pepper	80.4	66.8	87.5	95.1	74.0	142.7	138.4	169.5	143.5	184.9
Dry chillies	100.7	101.9	98.1	96.6	98.2	102.7	120.4	131.9	117.2	157.3
Dry ginger	101.0	96.2	98.0	129.5	133.9	138.0	135.4	147.1	185.9	176.0
Turmeric	97.9	98.0	94.7	110.1	113.5	108.2	110.4	97.5	109.6	110.2
Areca nut	99.1	99.7	95.8	95.8	111.0	109.5	110.3	133.1	120.8	125.4
Cardamom	96.3	99.1	104.5	108.1	108.1	115.1	132.8	141.1	164.1	193.7
Coriander	109.9	83.2	89.8	124.1	130.9	131.7	95.8	114.0	137.1	174.4
Garlic	106.4	102.2	103.3	107.6	102.3	103.7	110.8	111.1	117.6	107.7
Tea	99.6	99.0	99.0	99.0	99.0	101.1	124.6	123.4	127.1	NA
Coffee	95.0	93.4	101.7	104.6	104.6	102.3	99.7	105.7	109.4	NA
Rubber	96.8	97.3	90.2	90.2	91.6	89.8	74.1	60.4	51.6	62.8
Non Foodgrains	105.4	101.5	100.7	112.4	111.7	111.2	114.4	111.6	105.5	116.9
All Crops	104.8	103.5	100.7	111.0	113.2	114.0	115.5	110.8	108.3	119.2

Source: Directorate of Economics & Statistics, DAC&FW

* As per 4th Advance Estimates.

6.4(a): Index of Terms of Trade between Farmers and Non-Farmers

(Base: I.E.: 2011-12=100)

Year	Index of Prices Received (IPR)	Index of Price Paid (IPP) for			Index of Terms of Trade (ITT)		
		Final Consumption (IPP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (IPP-CF)			
		Combined Index (IPP)					
Weight→	(1)	(2)	(3)	(4)	(5)	(6)	(7)
2004-05	62.35	80.18	62.12	73.06	71.03	87.78	
2005-06	61.40	80.31	64.60	74.53	72.42	84.77	
2006-07	63.97	77.66	67.75	78.37	73.48	87.05	
2007-08	72.06	82.80	71.52	84.11	78.14	92.22	
2008-09	82.06	85.61	74.72	92.10	82.07	99.98	
2009-10	90.89	91.75	89.09	92.71	90.77	100.13	
2010-11	101.29	97.31	98.94	99.33	98.39	102.95	
2011-12	107.82	110.95	111.98	107.96	110.84	97.27	
2012-13	119.49	119.80	128.36	115.21	122.67	97.40	
2013-14	131.67	128.28	144.83	117.84	133.55	98.60	
2014-15	138.21	132.49	157.70	122.70	141.64	97.58	
2015-16	142.78	139.46	164.85	121.90	147.26	96.96	
2016-17(P)	151.46	127.34	171.57	122.67	145.69	103.96	

Source: Directorate of Economics & Statistics, DAC&FW
P- Provisional

6.4(b): Index of Terms of Trade between Agriculture and Non-Agricultural sectors

(Base: T.E.: 2011-12=100)

Year	Index of Prices Received for			Index of Prices Paid for Final Consumption for			Index of Prices Paid for			Combined Index for Prices Paid (IPP)	Index of Terms of Trade of Trade (ITT)
	Farmers	Agricultural Labourers	Index of Prices Received (IPR)	Farmers	Agricultural Labourers	Combined Index for Final Consumption (PP-FC)	Intermediate Consumption (IPP-IC)	Capital Formation (PP-CF)			
Weight→	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	
2004-05	62.35	49.07	61.56	80.18	76.40	79.09	69.58	73.06	75.51	81.52	
2005-06	61.40	55.22	61.03	80.31	77.01	79.36	71.69	74.53	76.48	79.80	
2006-07	63.97	58.29	63.63	77.66	75.05	76.91	75.55	78.37	76.84	82.81	
2007-08	72.06	61.83	71.45	82.80	82.10	82.60	80.51	84.11	82.35	86.76	
2008-09	82.06	76.28	81.72	85.61	84.55	85.31	87.09	92.10	87.06	93.86	
2009-10	90.89	85.61	90.57	91.75	91.40	91.65	92.67	92.71	92.11	98.33	
2010-11	101.29	98.17	101.10	97.31	97.47	97.35	99.42	99.33	98.26	102.90	
2011-12	107.82	116.22	108.32	110.95	111.14	111.00	107.91	107.96	109.63	98.81	
2012-13	119.49	133.83	120.34	119.80	118.76	119.50	121.44	115.21	119.18	100.97	
2013-14	131.67	151.40	132.85	128.28	129.25	128.56	130.34	117.84	126.98	104.62	
2014-15	138.21	179.32	140.66	132.49	133.48	132.77	135.30	122.70	131.51	106.96	
2015-16	142.78	185.04	145.30	139.46	141.16	139.94	138.33	121.90	136.10	106.76	
2016-17(P)	151.46	197.32	154.19	127.34	126.92	127.22	143.42	122.67	130.50	118.15	

Source: Directorate of Economics & Statistics, DAC&FW

P- Provisional

7

Area, Production and Yield of Major Crops in Different Countries

Table 7.1: Area, Production and Yield of Principal Crops in various Countries in 2015

	Area - "000" Hectares	Production - "000" Tonnes	Yield - Kg./Hectare	
Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
1. Paddy				
World	160762	740085	4604	100.00
China	30216	208230	6891	28.14
India	43390	156540	3608	21.15
Indonesia	14117	75398	5341	10.19
Bangladesh	11372	51278	4509	6.93
Viet Nam	7831	45105	5760	6.09
Thailand	9718	27702	2851	3.74
Myanmar	6769	26210	3872	3.54
Philippines	4656	18150	3898	2.45
Brazil	2138	12301	5753	1.66
Japan	1506	9986	6631	1.35
2. Wheat				
World	222157	736985	3317	100.00
China	24141	130185	5393	17.66
India	31470	86530	2750	11.74
USA	19058	55840	2930	7.58
France	5480	42750	7801	5.80
Canada	9577	27594	2881	3.74
Germany	3283	26550	8088	3.60
Ukraine	6840	26532	3879	3.60
Pakistan	9204	25086	2726	3.40
Oceania	12431	24156	1943	3.28
Australia	12384	23743	1917	3.22
3. Maize				
World	182490	1010609	5538	100.00
USA	32678	345486	10572	34.19
China	38119	224630	5893	22.23
Brazil	15406	85285	5536	8.44
Argentina	4627	33818	7309	3.35
Mexico	7100	24694	3478	2.44
Ukraine	4084	23328	5713	2.31
India	8690	22570	2597	2.23
Indonesia	3787	19612	5178	1.94
France	1637	13716	8378	1.36
Canada	1312	13559	10337	1.34
4. Pulses				
World	81616	77573	950	100.00
India	27040	17482	647	22.54
Myanmar	4250	6289	1480	8.11
Canada	3251	6068	1867	7.82
China, mainland	2392	4164	1741	5.37

(Contd.)

Country	Area	Production	Yield	Production (%)
(1)	(2)	(3)	(4)	(5)
Brazil	2885	3097	1074	3.99
Ethiopia	1615	2955	1830	3.81
United States of America	1420	2575	1813	3.32
Russian Federation	1582	2467	1560	3.18
Nigeria	3776	2371	628	3.06
United Republic of Tanzania	2084	2016	968	2.60
5. Sugarcane				
World	26664	1886875	70764	100.00
Brazil	10111	750290	74203	39.76
India	5070	362333	71466	19.20
China	1600	116968	73121	6.20
Thailand	1401	94138	67206	4.99
Pakistan	1131	65482	57873	3.47
Mexico	759	55396	73023	2.94
Colombia	409	36710	89654	1.95
Oceania	421	34276	81373	1.82
Indonesia	456	25349	55611	1.34
Philippines	421	22926	54417	1.22
6. Groundnut (in shell)				
World	26800	45077	1682	100.00
China	4616	16440	3562	36.47
India	4560	6771	1485	15.02
Nigeria	2802	3467	1238	7.69
USA	634	2817	4442	6.25
United Republic of Tanzania	1625	1836	1130	4.07
Myanmar	950	1518	1598	3.37
Senegal	1135	1050	925	2.33
Sudan	1465	1042	711	2.31
Argentina	425	1011	2380	2.24
Indonesia	454	605	1333	1.34
7. Tobacco Unmanufactured				
World	3889	6985	1796	100.00
China	1314	2832	2156	40.55
Brazil	406	867	2137	12.42
India	444	747	1683	10.69
USA	133	326	2453	4.67
Indonesia	209	194	927	2.77
Zimbabwe	132	171	1295	2.45
Malawi	142	120	851	1.72
Pakistan	54	120	2231	1.72
Argentina	55	109	1977	1.56
Turkey	106	75	708	1.07

Source: FAOSTAT (as on 26.12.2017).

Table 7.2: India's Position in World Agriculture in 2015

Item	India (2)	World (3)	% Share (4)	India's Rank (5)	Next to (6)
1. Total Area (Million Hectares)					
Land Area	329	13467	2.4	Seventh	Russian Federation, Canada, U.S.A., China, Brazil, Australia
Arable Land	297	13009	2.3	Seventh	Russian Federation, China, U.S.A., Canada, Brazil, Australia
2. Population (Million)					
Total	156	1426	11.0	Second	U.S.A.
Rural	1309	7383	17.7	Second	China
Urban	862	3368	25.6	First	
3. Crop Production (Million Tonnes)					
(A) : Total Cereals					
Wheat	284	2796	10.2	Third	China, U.S.A
Rice (Paddy)	87	737	11.7	Second	China
(B) : Total Pulses	157	740	21.2	Second	China
(C) : Oilseeds	17	78	22.5	First	
Groundnut (in shell)	7	45	15.0	Second	China
Rapeseed	6	71	8.8	Third	Canada, China
(D) : Commercial Crops					
Sugarcane	362	1887	19.2	Second	Brazil
Tea	1.2	5.7	21.8	Second	China
Coffee (green)	0.3	8.9	3.7	Seventh	Brazil, Vietnam, Columbia, Indonesia, Ethiopia, Honduras
Jute & Jute like Fibres	1.9	3.5	54.0	First	
Cotton (lint)	6.2	26.2		Second	China
Tobacco Unmanufactured	0.7	7.0	10.7	Third	China, Brazil

(Contd.)

Item	India	World	% Share	India's Rank	Next to
(1)	(2)	(3)	(4)	(5)	(6)
4. Fruits & Vegetables Production (Million Tonnes)					
(A) : Vegetables & Melons	119	1195	10.0	Second	China
(B) : Fruits excluding Melons	87	710	12.3	Second	China
(C) : Potatoes	48	377	12.7	Second	China
(D) : Onion (Dry)	19	91	20.8	Second	China
5. Livestock (Million Heads)					
(A) : Cattle	185	1452	12.7	Second	Brazil
(B) : Buffaloes	111	196	56.4	First	
(C) : Camels	0.4	28	1.3	Twelfth	Somalia, Sudan, Kenya, Niger, Mauritania, Chad, Ethiopia, Pakistan, Mali, Yemen, U.A.E
(D) : Sheep	62	1160	5.4	Third	China, Australia
(E) : Goats	132	979	13.5	Second	China
(F) : Chicken	740	22112	3.3	Sixth	China, U.S.A., Indonesia, Brazil, Iran
6. Animal Products (Million Tonnes)					
(A) : Milk Total	156	807	19.3	First	
(B) : Eggs (Primary) Total	4	78	5.5	Third	China, U.S.A
(C) : Meat Total	7	324	2.2	Sixth	China, U.S.A., Brazil, Russian federation, Germany

Source: FAOSTAT (as on 11.01.2018)

8

Minimum Support Prices/ Marketed Surplus Ratios

Table 8.1 : Minimum Support Prices of various Agricultural Commodities (According to Crop Year)

Sl. No.	Commodity	Variety	(As on 24.10.2017) (₹ per quintal)				
			2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Khari Crops							
1	Paddy	Common	1310	1360	1410	1470	1550
		Grade 'A'	1345	1400	1450	1510	1590
2	Jowar	Hybrid	1500	1530	1570	1625	1700
		Maldandi	1520	1550	1590	1650	1725
3	Bajra		1250	1250	1275	1330	1425
4	Maize		1310	1310	1325	1365	1425
5	Ragi		1500	1550	1650	1725	1900
6	Arhar(Tur)		4300	4350	4625 [^]	5050 ^{^^}	5450 [^]
7	Moong		4500	4600	4850 [^]	5225 ^{^^}	5575 [^]
8	Urad		4300	4350	4625 [^]	5000 ^{^^}	5400 [^]
9	Cotton	Medium Staple	3700	3750	3800	3860	4020
		Long Staple	4000	4050	4100	4160	4320
10	Groundnut In Shell		4000	4000	4030	4220*	4450 [^]
11	Sunflower Seed		3700	3750	3800	3950*	4100*
12	Soyabean		2560	2560	2600	2775*	3050 [^]
13	Sesamum		4500	4600	4700	5000 [^]	5300*
14	Nigerseed		3500	3600	3650	3825*	4050*
Rabi Crops							
15	Wheat		1400	1450	1525	1625	1735

(Contd.)

Sl. No.	Commodity	Variety	2013-14	2014-15	2015-16	2016-17	2017-18
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
16	Barley		1100	1150	1225	1325	1410
17	Gram		3100	3175	3500**	4000^	4400@
18	Masur (Lentil)		2950	3075	3400**	3950@	4250*
19	Rapeseed/Mustard		3050	3100	3350	3700*	4000*
20	Safflower		3000	3050	3300	3700*	4100*
21	Toria		3020	3020	3290	3560	
	Other Crops						
22	Copra (Calendar Year)	Milling	5250	5250	5550	5950	6500
		Ball	5500	5500	5830	6240	6785
23	De-Husked Coconut (Calendar Year)	1425	1425	1500	1600	1760	
24	Jute		2300	2400	2700	3200	3500
25	Sugarcane\$		210	220	230	230	255

Source: Directorate of Economics & Statistics, DAC&FW

Figures in brackets indicate percentage increase.

\$ Fair and remunerative price.

* Including Bonus of Rs. 100 per quintal.

** Including Bonus of Rs. 75 per quintal.

^ Including Bonus of Rs. 200 per quintal.

^^ Including Bonus of Rs. 425 per quintal.

@ Including Bonus of Rs. 150 per quintal

Table 8.2: Central Issue Prices of Rice, Wheat and Coarse grains

(₹ Per Quintal)

Period	APL	BPL	AAY(*)	
	Common*	Grade "A"	Common/ Grade "A"	
(1)	(2)	(3)	(4)	(5)
Rice				
01.12.1997 to 28.01.1999	550	700	350	
29.01.1999 to 31.3.2000	700	905	350	
01.04.2000 to 24.7.2000	1135	1180	590	
25.07.2000 to 11.07.2001	1087	1130	565	300
12.07.2001 to 31.03.2002	795	830	565	300
01.04.2002 to 30.06.2002	695	730	565	300
01.07.2002 to Till date	795	830	565	300
Wheat				
	APL		BPL	AAY(*)
01.12.1997 to 28.01.1999	450		250	
29.01.1999 to 31.03.1999	650		250	
01.04.1999 to 31.03.2000	682		250	
01.04.2000 to 24.07.2000	900		450	
25.07.2000 to 11.07.2001	830		415	200
12.07.2001 to 31.03.2002	610		415	200
01.04.2002 to 30.06.2002	510		415	200
01.07.2002 to till date	610		415	200
Coarse Grains (₹ Per Kg.)				
	APL		BPL	AAY(*)
w.e.f. 16.11.2005	70% of economic cost	50% of economic cost	2.00	
2008-09 to till date	4.50		3.00	1.50

Source: Department of Food & Public Distribution

APL: Above Poverty Line, BPL: Below Poverty Line, AAY: Antyodaya Anna Yojana

* Applicable only to Jammu & Kashmir, Himachal Pradesh, North Eastern States, Sikkim and Jharkhand

(*) With effect from December, 2000.

Table 8.3: Cost Estimates of Principal Crops- 2014-15

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
I. Foodgrains : Cereals					
Paddy	Andhra Pradesh	52092.45	78968.33	1282.17	58.33
	Assam	37414.70	49886.91	1427.84	32.45
	Bihar	26862.34	40096.73	1054.94	30.69
	Chhattisgarh	31680.98	45775.07	1229.85	33.76
	Gujarat	43303.53	55798.06	1095.87	42.33
	Haryana	46032.95	78947.58	1531.08	50.53
	Himachal Pradesh	26893.42	37070.51	1099.80	25.09
	Jharkhand	24997.56	38847.53	1083.41	28.35
	Karnataka	48704.20	68315.20	1195.71	53.24
	Kerala	53391.99	71971.60	1479.24	43.64
	Madhya Pradesh	29281.08	41380.77	1416.12	25.44
	Maharashtra	55262.14	68262.45	2237.11	25.64
	Orissa	43151.95	56913.99	1405.45	36.62
	Punjab	39631.03	73254.48	1091.75	66.74
	Tamil Nadu	55778.57	74076.91	1397.70	49.49
	Uttar Pradesh	40977.39	58982.33	1479.86	37.08
Uttarakhand	30735.11	45634.39	896.47	47.76	
West Bengal	55746.71	71840.42	1411.34	44.69	
Wheat	Bihar	27472.02	41449.06	1230.82	26.52
	Gujarat	32999.68	42296.08	1239.07	31.39
	Haryana	33649.03	61318.70	1240.99	39.96
	Himachal Pradesh	22866.27	34047.93	1750.37	14.32
	Jharkhand	20858.74	28809.65	1734.07	13.86
	Karnataka	21188.53	27278.85	2354.04	10.16
	Madhya Pradesh	26220.56	43954.60	1127.43	32.73
	Maharashtra	34275.35	45942.98	1992.76	22.44
	Punjab	27772.52	52590.47	1081.84	42.88
	Rajasthan	35872.93	50089.47	1156.25	34.58
Maize	Uttar Pradesh	32744.41	51080.58	1502.89	25.88
	Uttarakhand	22637.88	38400.52	1277.32	24.24
	West Bengal	40418.69	52547.92	1585.96	30.82
	Andhra Pradesh	41509.60	65916.32	1130.40	55.67
	Bihar	30413.80	43478.29	1138.29	31.96

(Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
	Gujarat	35859.96	43289.81	1931.00	16.04
	Himachal Pradesh	22425.48	30457.83	1673.25	13.07
	Jharkhand	32602.11	39886.92	1007.96	33.02
	Karnataka	30760.69	41402.31	1273.66	29.57
	Madhya Pradesh	24803.22	34791.77	1262.09	22.91
	Maharashtra	59230.95	74156.68	1993.66	32.70
	Odisha	39792.25	51302.50	1336.26	37.50
	Punjab	38426.75	51749.20	1154.79	38.21
	Rajasthan	33710.97	45020.96	1628.96	21.51
	Tamil Nadu	60448.07	80010.51	1253.92	60.41
	Uttar Pradesh	20482.40	28770.46	1888.58	12.73
Jowar	Andhra Pradesh	23309.78	37177.30	1732.18	16.16
	Karnataka	17515.09	24811.88	2266.91	9.06
	Madhya Pradesh	23800.24	28541.25	2710.85	8.16
	Maharashtra	32734.56	44764.79	1951.96	13.78
	Rajasthan	17854.82	25352.68	1537.81	7.82
	Tamil Nadu	20763.49	30604.77	1678.65	8.88
Bajra	Gujarat	35920.62	46812.70	1125.22	27.86
	Haryana	26208.19	37615.55	1487.42	17.71
	Maharashtra	35622.93	43373.26	2749.83	13.22
	Rajasthan	17888.42	24548.14	1149.16	10.77
	Uttar Pradesh	21824.39	33693.02	1038.43	24.33
Barley	Rajasthan	34436.27	45200.62	1002.76	32.16
	Uttar Pradesh	24638.13	41970.24	1450.72	21.70
Ragi	Karnataka	43421.41	54317.49	3240.98	12.26
	Uttarakhand	14948.91	19826.99	905.79	18.76
II. Pulses					
Arhar	Andhra Pradesh	25539.03	36458.55	6381.70	5.54
	Gujarat	32507.72	41891.52	4550.86	8.87
	Karnataka	22525.78	33585.73	3963.24	8.27
	Madhya Pradesh	20302.81	33433.45	4568.56	6.84
	Maharashtra	42313.15	59401.50	5715.19	10.10
	Orissa	13008.82	20897.95	6806.19	3.00
	Uttar Pradesh	21950.62	40712.59	4184.48	7.92

(Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
Gram	Andhra Pradesh	32334.44	47413.80	3085.18	15.02
	Bihar	19029.27	33262.94	2389.66	13.49
	Chhattisgarh	15971.53	23683.24	3101.72	7.34
	Haryana	17993.23	32706.69	3313.40	9.17
	Jharkhand	13486.73	17706.39	1631.31	10.38
	Karnataka	20886.46	31942.05	2919.60	10.73
	Madhya Pradesh	21376.69	33952.35	2911.56	11.00
	Maharashtra	26147.88	37788.79	3401.88	10.73
	Rajasthan	16872.39	24002.81	3440.21	6.40
	Uttar Pradesh	22456.03	32529.72	5507.26	5.39
Urad	Andhra Pradesh	14608.64	33527.11	3394.44	9.83
	Chhattisgarh	23655.42	31650.43	3394.59	8.69
	Madhya Pradesh	17185.26	25638.75	3482.43	7.05
	Maharashtra	21192.57	28123.66	6107.01	4.54
	Orissa	14857.29	21957.61	5574.98	3.79
	Tamil Nadu	18007.38	27987.31	4446.77	6.19
Moong	Uttar Pradesh	14438.71	22741.98	4756.45	4.67
	Andhra Pradesh	15185.13	25132.57	4655.63	5.37
	Gujarat	20823.73	23778.18	11264.37	1.99
	Karnataka	15987.69	23174.39	5790.59	3.95
	Maharashtra	24601.39	32001.87	8098.91	3.92
	Orissa	13274.41	19257.07	5618.72	3.29
Lentil	Rajasthan	14806.99	20624.38	5267.63	3.48
	Bihar	16457.57	30105.16	2399.78	11.98
	Madhya Pradesh	19037.02	31121.42	3575.36	8.34
	Uttar Pradesh	18572.54	30043.84	6797.93	4.20
	West Bengal	22327.40	38680.61	2518.08	14.98
III. Oilseeds					
Groundnut	Andhra Pradesh	36939.57	53753.88	4607.64	10.79
	Gujarat	54841.87	70827.74	3409.54	17.07
	Karnataka	37367.82	49950.00	4541.52	10.27
	Maharashtra	44470.14	57079.41	5783.84	8.87
	Orissa	41989.55	59255.51	4516.02	12.82
	Rajasthan	29477.47	38686.20	3777.03	9.72

(Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
R & M	Tamil Nadu	57324.24	75449.68	3571.59	19.65
	Assam	27502.48	35801.81	4353.30	8.22
	Bihar	16038.56	28849.77	2307.82	11.83
	Gujarat	26250.95	39449.70	2068.79	18.41
	Haryana	24941.42	47679.26	2930.17	14.79
	Madhya Pradesh	18674.03	34489.10	2216.82	14.64
	Rajasthan	23925.44	34818.04	2610.63	12.44
	Uttar Pradesh	25621.24	41477.32	3849.39	9.98
	West Bengal	32240.39	45335.11	3113.76	14.21
Soyabean	Andhra Pradesh	28024.29	40321.28	3854.21	10.36
	Chhattisgarh	15940.30	23946.41	2510.75	9.19
	Madhya Pradesh	23971.63	34985.38	2661.81	12.53
	Maharashtra	36054.83	45160.23	4521.97	9.72
	Rajasthan	23017.67	29402.36	3916.13	6.96
Sunflower	Andhra Pradesh	23847.41	32370.95	7923.19	4.06
	Karnataka	19913.10	28340.18	3159.53	8.83
Safflower	Karnataka	10248.46	18231.29	2113.43	8.39
	Maharashtra	18491.84	22335.92	6972.54	3.19
Nigerseed	Madhya Pradesh	13824.32	17978.15	5697.21	3.00
	Orissa	12341.82	16023.77	6302.23	2.48
Sesamum	Andhra Pradesh	19282.00	29638.95	7177.67	4.05
	Gujarat	29055.91	39359.26	6903.85	5.64
	Madhya Pradesh	16725.67	29141.57	5289.28	5.38
	Orissa	16560.41	24694.29	5701.60	4.28
	Rajasthan	13848.45	26346.97	7863.26	3.30
	Uttar Pradesh	10461.47	16090.93	6973.32	2.25
Sugarcane	West Bengal	29269.19	41501.10	3375.65	11.88
	Andhra Pradesh	108236.30	163567.80	218.45	730.90
	Karnataka	73659.48	118220.50	143.45	808.81
	Maharashtra	145489.58	193364.50	182.74	993.77
	Tamil Nadu	124126.89	160892.00	171.05	926.39
	Uttar Pradesh	54449.19	97917.09	173.25	539.07
Cotton	Uttarakhand	45667.40	92069.24	148.79	578.17
	Andhra Pradesh	56730.97	79837.62	4661.68	17.08

(Contd.)

Crop	State	Cost of Cultivation (₹ / Hectare)		Cost of Production (₹ / Quintal)	Yield (Qtl./Ha.)
		A2+FL	C2	C2	
(1)	(2)	(3)	(4)	(5)	(6)
	Gujarat	57070.13	73271.72	3659.32	19.67
	Haryana	45095.36	64904.91	5573.05	10.85
	Karnataka	42891.68	59042.24	4084.52	14.02
	Madhya Pradesh	59274.65	76832.02	5564.46	12.82
	Maharashtra	54887.56	72391.18	4631.87	15.31
	Orissa	35654.78	44347.32	6348.29	6.82
	Punjab	52923.06	76777.61	3890.58	18.39
	Rajasthan	49320.05	67922.05	3821.91	16.73
	Tamil Nadu	69912.63	88992.70	3770.22	23.51
Jute	Assam	55065.78	68361.55	2627.43	24.51
	Bihar	18814.86	29738.61	2415.46	11.77
	Orissa	52753.86	66408.93	3495.91	16.95
	West Bengal	58351.73	80286.87	2655.57	27.29
Onion	Gujarat	92472.64	125716.20	852.24	146.81
	Karnataka	41828.75	54731.59	1210.34	44.32
	Maharashtra	120342.20	171271.10	754.14	225.89
Potato	Assam	101036.96	124987.60	1117.94	111.80
	Bihar	60663.42	79846.72	448.18	178.16
	Himachal Pradesh	86109.88	110717.80	993.84	111.40
	Uttar Pradesh	105856.91	134770.90	712.73	189.09
	West Bengal	123377.36	146702.3	565.97	259.21

Source: Directorate of Economics & Statistics, DAC&FW

Note

1. Cost A2 includes all actual expenses in cash & kind incurred in production by Owner and rent paid for leased-in-land.
2. Cost A2 includes all actual expenses in cash & kind incurred in production by owner, interest on value of owned fixed capital assets(excluding land), rental value of owned land(net of land revenue) and imputed value of family labour.
3. Family Labour is calculated on the basis of statutory wage rate or the actual market rate, whichever is higher.

Table 8.4: Marketed Surplus Ratio (MSR) of Important Agricultural Commodities in various States
(Based on Comprehensive Scheme for Studying Cost of Cultivation of Principal Crops in India)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
I. Foodgrains : Cereals				
1. Rice	Andhra Pradesh	87.86	89.11	91.73
	Assam	50.91	50.78	70.09
	Bihar	82.49	81.79	86.16
	Haryana	93.47	93.87	98.61
	Karnataka	84.15	87.48	94.40
	Kerala	86.15	93.52	84.70
	Madhya Pradesh	87.91	90.77	93.09
	Orissa	73.96	70.37	77.35
	Punjab	99.48	97.02	99.37
	Tamil Nadu	91.08	91.58	91.51
	Uttar Pradesh	83.11	85.37	78.43
West Bengal	67.48	68.02	68.98	
	All-India	81.51	82.00	84.35
2. Wheat	Bihar	81.30	80.47	82.26
	Gujarat	84.24	88.29	97.24
	Haryana	83.98	70.14	80.69
	Himachal Pradesh	58.30	52.61	48.54
	Madhya Pradesh	80.55	85.66	73.58
	Punjab	87.83	87.31	88.75
	Rajasthan	67.76	30.81	78.29
	Uttar Pradesh	70.15	69.64	54.73
		All-India	77.49	73.11
3. Maize	Andhra Pradesh	90.71	100.00	92.81
	Bihar	89.77	83.50	91.04
	Himachal Pradesh	55.85	52.38	54.60
	Karnataka	96.12	96.67	95.15
	Madhya Pradesh	92.58	90.26	91.52
	Rajasthan	50.00	52.05	67.48
	Uttar Pradesh	68.80	68.14	77.83
		All-India	84.32	86.98
4. Jowar	Andhra Pradesh	51.18	95.51	93.89
	Karnataka	58.52	73.97	86.17
	Madhya Pradesh	89.32	85.66	98.53
	Maharashtra	60.98	62.06	45.45

(Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
	Rajasthan	76.42	-	67.07
	All-India	64.14	70.62	66.64
		contd...		
5. Bajra	Gujarat	86.35	77.39	74.38
	Haryana	91.71	86.15	89.89
	Maharashtra	55.09	72.51	47.16
	Rajasthan	61.90	61.72	60.21
	Uttar Pradesh	83.79	77.68	80.02
	All-India	76.77	71.11	68.42
6. Barley	Rajasthan	85.00	87.53	87.50
	Uttar Pradesh	33.71	66.18	47.62
	All-India	67.39	80.63	77.67
7. Ragi	Andhra Pradesh	-	-	-
	Karnataka	29.53	44.11	48.92
	All-India	29.53	44.11	48.92
II. Pulses				
8. Arhar	Karnataka	96.34	97.81	97.40
	Madhya Pradesh	94.07	93.43	93.36
	Maharashtra	83.30	89.13	85.16
	Orissa	74.58	73.85	54.37
	Uttar Pradesh	67.24	53.54	84.82
	All-India	84.33	86.99	88.21
9. Gram	Bihar	68.06	77.97	80.42
	Madhya Pradesh	89.04	90.30	93.31
	Rajasthan	80.23	91.23	94.14
	Uttar Pradesh	61.91	80.59	67.42
	All-India	83.67	89.58	91.10
10. Urad	Andhra Pradesh	92.91	99.03	99.60
	Madhya Pradesh	98.05	93.09	91.60
	Maharashtra	-	56.02	84.99
	Orissa	70.55	70.06	86.64
	Rajasthan	78.55	48.00	-
	Tamil Nadu	89.34	96.86	98.09
	Uttar Pradesh	83.44	61.90	83.31
	All-India	89.65	80.71	92.25
11. Moong	Andhra Pradesh	93.54	100.00	100.00

(Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
	Maharashtra	85.26	87.50	100.00
	Orissa	73.88	79.34	75.55
	Rajasthan	83.57	94.27	89.81
	All-India	85.55	92.22	90.65
12. Lentil	Bihar	67.49	99.83	87.58
	Madhya Pradesh	96.00	95.48	98.63
	Uttar Pradesh	92.11	78.43	92.46
	All-India	88.75	90.23	94.38
III. Oilseeds				
13. Groundnut	Andhra Pradesh	94.40	88.71	96.92
	Gujarat	99.81	98.45	94.68
	Karnataka	84.81	93.95	96.34
	Maharashtra	75.71	71.14	33.81
	Tamil Nadu	97.14	97.60	97.99
	All-India	93.54	95.20	91.63
14. Rapeseed & Mustard	Gujarat	95.40	99.92	99.84
	Haryana	93.64	97.52	90.21
	Madhya Pradesh	97.49	98.31	97.39
	Rajasthan	94.60	95.50	94.02
	Uttar Pradesh	68.49	78.92	75.85
	West Bengal	71.26	92.56	77.18
	All-India	90.41	94.49	90.94
15. Soybean	Madhya Pradesh	95.32	90.91	97.60
	Maharashtra	-	100.00	-
	All-India	95.32	95.23	97.60
16. Sunflower	Andhra Pradesh	100.00	-	100.00
	Karnataka	98.76	99.29	100.00
	Maharashtra	100.00	-	-
	All-India	99.18	99.29	100.00
17. Sesamum	Gujarat	99.04	99.02	99.72
	Madhya Pradesh	96.77	96.52	96.64
	Orissa	-	-	-
	Rajasthan	80.06	82.86	89.32
	All-India	90.50	94.47	95.37
18. Safflower	Karnataka	-	-	100.00
	All-India	-	-	100.00
19. Nigerseed	Madhya Pradesh	-	-	97.78

(Contd.)

Group of Crops	State	MSR		
		2012-13	2013-14	2014-15
(1)	(2)	(3)	(4)	(5)
	Odisha	97.67	-	-
	All-India	97.67	-	97.78
IV. Other Commercial Crops				
20. Sugarcane	Andhra Pradesh	99.91		-
	Haryana	100.00	64.00	-
	Karnataka	98.80	98.85	85.37
	Uttar Pradesh	85.71	-	-
	All-India	77.84	93.10	85.37
contd...				
21. Cotton	Gujarat	99.68	95.79	98.71
	Haryana	99.05	98.96	98.36
	Karnataka	97.74	99.32	99.29
	Madhya Pradesh	99.96	100.00	100.00
	Rajasthan	99.01	100.00	97.90
	All-India	99.41	97.32	98.79
22. Jute	West Bengal	100.00	100.00	98.59
	All-India	100.00	100.00	98.59
V. Vegetables				
23. Onion	Karnataka	99.23	99.29	91.29
	All-India	99.23	99.29	91.29
24. Potato	Bihar	87.25	81.46	-
	Uttar Pradesh	95.93	99.19	95.19
	West Bengal	73.41	-	83.38
	All-India	86.17	93.74	89.54

Source: Directorate of Economics & Statistics, DAC&FW

Note:

1. All India figures are weighted average of only those states from where data is available.
 2. All India Figures have been revised for Urad & Sesamum (2012-13), Jowar, Sunflower, Sesamum, Sugarcane & Potato (2013-14), Ragi, Urad, Soyabean, Sunflower, Sesamum, Nigerseed, Sugarcane & Potato (2014-15)
- Not Reported

9

Procurement by Public Agencies

Table 91(a): State-wise Procurement of Rice and Wheat in Major Rice and Wheat Producing States (According to Marketing Year)
(000 Tonnes)

State	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18*
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Rice (Oct-Sept)												
Punjab	7829	7981	8554	9275	8634	7731	8558	8106	7786	9350	11052	
Haryana	1777	1574	1425	1819	1687	2007	2609	2406	2015	2861	3583	
Uttar Pradesh	2559	2891	4008	2901	2554	3355	2286	1127	1698	2910	2354	
Andhra Pradesh	5328	7597	9058	7555	9609	7540	6464	3737	3596	4336	3724	
Telangana	-	-	-	-	-	-	-	4353	3504	1580	3595	
Madhya Pradesh	74	69	247	255	516	635	898	1045	807	849	1314	
Odisha	2002	2357	2801	2497	2465	2864	3613	2801	3357	3369	3630	
Tamil Nadu	1077	969	1201	1241	1543	1596	481	684	1051	1192	144	
West Bengal	642	1429	1743	1240	1310	2036	1766	1359	2032	1568	1923	
Chhattisgarh	2865	2743	2848	3357	3746	4115	4804	4290	3423	3442	4022	
Uttarakhand	176	147	349	375	422	378	497	463	465	598	706	
Others	778	979	1870	1519	1712	2769	2044	1474	2306	2084	2058	
All-India	25106	28736	34104	32034	34198	35041	34044	31845	32040	34217	38105	
Wheat (April-March)												
Punjab	6946	6781	9941	10725	10209	10958	12834	10897	11641	10344	10649	11706
Uttar Pradesh	49	546	3137	3882	1645	3461	5063	682	628	2267	797	3699
Haryana	2229	3350	5237	6924	6347	6928	8665	5873	6495	6778	6752	7432
Rajasthan	2	383	935	1152	476	1303	1964	1268	2159	1300	762	1245
Chhattisgarh	-	-	-	-	-	-	-	9	-	-	-	-

(Contd.)

State	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17*	2017-18*
(1)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
Uttarakhand	Neg	2	85	145	86	42	139	5	1	4	2	2
Bihar	-	8	500	497	183	557	772	0	0	0	-	-
Chandigarh	-	-	10	12	9	7	17	8	5	11	7	8
Delhi	-	1	6	-	10	8	31	Neg	0	2	-	-
Gujarat	-	-	415	75	1	105	156	0	0	73	-	7
Himachal Pradesh	-	-	Neg	1	1	1	1	Neg	Neg	0	-	-
Jammu & Kashmir	-	-	1	1	-	-	9	0	0	0	-	-
Madhya Pradesh	neg	57	2410	1968	3538	4965	8493	6355	7094	7309	3992	6725
Maharashtra	-	-	10	-	-	-	2	0	0	0	-	-
Jharkhand	-	-	2	Neg	Neg	-	-	0	0	0	-	-
West Bengal	-	-	-	-	9	-	2	2	0	0	-	-
All-India	9226	11128	22689	25382	22514	28335	38148	25092	28023	28088	22962	30824

Source : Department of Food and Public Distribution.

* Position as on 21.09.2017

Neg : Below 500 tonnes.

Table 9.1 (b): State-wise Procurement of Coarse Grains in Major Producing States

State (1)	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16*	2016-17
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Andhra Pradesh	61.12	176.53	6.87	0.00	0.00	0.00	28.00	5.00	0.00	0.00
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	289.00	6.00	0.00	0.00
Chhattisgarh	2.34	8.81	1.04	2.61	1.00	0.00	3.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Haryana	123.64	310.48	77.00	73.65	17.00	0.00	0.00	0.00	5.00	6.00
Karnataka	13.95	712.38	315.56	39.94	1.00	0.00	729.00	143.00	211.00	0.00
Madhya Pradesh	0.75	59.91	0.29	8.91	17.00	7.97	87.00	303.00	28.00	238*
Maharashtra	1.76	107.02	6.07	2.70	Neg	63.85	96.00	7.00	17.00	16.00
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Total	203.56	1375.12	406.83	127.83	36.00	71.83	1231.00	465.00	260.00	260.00

Source: Department of Food and Public Distribution.

* 50000 MT Maize has been approved as central pool on 30.12.2016

Neg: 500 tonnes

Table 9.2 (a): Statement showing Cotton Purchases by Cotton Corporation of India
(Quantity in Thousand bales of 170 Kgs. each)

States	2012-13			2013-14			2014-15			2015-16			2016-17		
	MSP (2)	Comm. (3)	Total (4)	MSP (5)	Comm. (6)	Total (7)	MSP (8)	Comm. (9)	Total (10)	MSP (11)	Comm. (12)	Total (13)	MSP (14)	Comm. (15)	Total (16)
Punjab	0.00	18.44	18.44	0.00	70.27	70.27	127.72	0.00	127.72	0.00	0.00	0.00	0.00	0.00	0.00
Haryana	0.00	6.82	6.82	0.00	11.84	11.84	79.90	0.00	79.90	0.00	0.00	0.00	0.00	0.00	0.00
Rajasthan	0.00	20.80	20.80	0.00	16.69	16.69	87.87	0.00	87.87	0.00	0.00	0.00	0.00	1.44	1.44
Gujarat	0.00	1.85	1.85	0.00	75.48	75.48	666.50	0.00	666.50	51.50	0.00	51.50	0.00	39.40	39.40
Maharashtra	41.57	0.00	41.57	0.00	85.74	85.74	1763.19	0.00	1763.19	116.80	0.00	116.80	0.00	258.86	258.86
Madhya Pradesh	3.55	0.05	3.61	0.00	0.20	0.20	281.88	0.00	281.88	29.10	0.00	29.10	0.00	2.67	2.67
Andhra Pradesh	953.60	0.00	953.60	39.69	69.47	109.16	1755.56	0.00	1755.56	39.97	0.00	39.97	0.00	0.52	0.52
Karnataka	16.36	0.00	16.36	0.00	6.69	6.69	139.28	0.00	139.28	0.00	0.00	0.00	0.00	0.00	0.00
West Bengal	0.26	0.00	0.26	0.00	0.18	0.18	0.27	0.00	0.27	0.00	0.00	0.00	0.00	1.63	1.63
Odisha	50.05	0.00	50.05	0.00	4.58	4.58	102.99	0.00	102.99	11.63	0.00	11.63	0.00	16.50	16.50
Telangana	1221.29	0.00	1221.29	1.12	60.92	62.04	3690.95	0.00	3690.95	595.16	0.00	595.16	0.00	2.80	2.80
Total	2286.69	47.96	1113.35	40.81	402.06	380.83	8695.79	0.00	8695.79	844.16	0.00	844.16	0.00	323.82	323.82

Source: Cotton Corporation of India Ltd., Navi Mumbai

Note: During the last three years no procurement of Raw Cotton was made by NAFED

Table 9.2 (b): Procurement of Cotton by NAFED

(Quantity in Thousand bales of 170 Kgs. each)

States	2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
	MSP (2)	Commercial (3)	MSP (4)	Commercial (5)	MSP (6)	Commercial (7)	MSP (8)	Commercial (9)	MSP (10)	Commercial (11)	MSP (10)	Commercial (11)
Maharashtra	0.00	0.00	2.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gujarat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	294.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	296.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

Note: During the last four years no procurement of Raw Cotton was made by NAFED

Table 9.3 : State-wise Procurement of Raw Jute

(in lakh bale of 180 Kgs)

State	2012-13 (MSP)		2012-13 (Commercial)		2013-14 (MSP)		2013-14 (Commercial)		2014-15 (MSP)		2014-15 (Commercial)							
	JCI	Total	JCI	Total	JCI	Total	JCI	Total	JCI	Total	JCI	Total						
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)
West Bengal	2.12	0.25	2.37	0.34	0.00	0.34	0.49	0.01	0.50	0.39	0.00	0.39	0.13	0.01	0.15	0.26	0.00	0.26
Bihar	0.33	0.00	0.33	0.08	0.00	0.08	0.20	0.00	0.20	0.13	0.00	0.13	0.00	0.00	0.00	0.12	0.00	0.12
Assam	0.41	0.00	0.41	0.03	0.00	0.03	0.66	0.00	0.66	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.03
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odisha	0.03	0.00	0.03	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andhra Pradesh	0.06	0.00	0.06	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.94	0.25	3.20	0.44	0.00	0.44	1.37	0.01	1.38	0.52	0.00	0.52	0.14	0.01	0.16	0.41	0.00	0.41
State	2015-16 (MSP)		2015-16 (Commercial)		2016-17 (MSP)		2016-17 (Commercial)		2017-18 (MSP)		2017-18 (Commercial)							
(1)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)
West Bengal	0.00	0.00	0.00	0.02	0.00	0.02	0.26	0.00	0.26	0.71	0.00	0.71	0.70	0.17	0.87	0.00	0.00	0.00
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.07	0.16	0.00	0.16	0.10	0.00	0.10	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.03	0.00	0.03	0.01	0.00	0.01	0.82	0.00	0.82	0.37	0.00	0.37	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Odisha	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.02	0.00	0.00	0.00
Andhra Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.21	0.03	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.05	0.00	0.05	0.55	0.03	0.58	1.69	0.00	1.69	1.18	0.17	1.35	0.00	0.00	0.00

Source: Jute Corporation of India Ltd, Ministry of Textiles (upto 21.11.2017)

Table 9.4: Procurement of Oilseeds by NAFED under Price Support Scheme (PSS)

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major States of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
1.	Soyabean				
	2010-11	1440	NIL	NIL	
	2011-12	1690	NIL	NIL	
	2012-13	2240	NIL	NIL	
	2013-14	2560	NIL	NIL	
	2014-15	2560	NIL	NIL	
	2015-16	2600	NIL	NIL	
	2016-17	2675**	162.192	45	Maharashtra
	2017-18	2850^	63509.99	19370.54	Maharashtra, Rajasthan, Telangana
2.	Groundnut				
	2010-11	2300	NIL	NIL	
	2011-12	2700	NIL	NIL	
	2012-13	3700	NIL	NIL	
	2013-14*	3700	830	332.02	Odisha
	2013-14	4000	340325	136130.13	Raj., Guj., AP, Kar., UP, Maharashtra
	2014-15	4000	6230	2491.92	Odisha
	2015-16	4030	NIL	NIL	
	2016-17	4120**	210731	88928.55	Gujarat
	2017-18#	4250^	434517	193338.46	Raj., Guj., AP, Odisha
3.	Safflower Seed				
	2010-11	1800	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	2800	NIL	NIL	
	2013-14	3000	NIL	NIL	
	2014-15	3050	NIL	NIL	
	2015-16	3300	NIL	NIL	
	2016-17	3600**	NIL	NIL	
	2017-18	4000**	NIL	NIL	
4.	Mustard Seed				
	2010-11	1850	NIL	NIL	
	2011-12	2500	NIL	NIL	
	2012-13	3000	NIL	NIL	
	2013-14	3050	NIL	NIL	
	2014-15	3100	1715	523.02	Rajasthan
	2015-16	3350	NIL	NIL	
	2016-17	3600**	NIL	NIL	
	2017-18	3900**	36924	13662	Haryana
5.	Sunflower Seed				
	2010-11	2350	845	199.27	Haryana, Odisha
	2011-12	2800	NIL	NIL	
	2012-13	3700	1499.1	554.67	Karnataka
	2013-14	3700	4382.711	2272.58	Odisha, Karnataka, Andhra Pradesh
	2014-15	3750	4153	1536.69	Odisha, Haryana
	2015-16	3800	4242	1590.71	Odisha, Haryana
	2016-17	3850**	4949	1880.74	Odisha, Haryana
	2017-18	4000**	6539	2582.95	Odisha, Haryana, Telangana

(Contd.)

S. No.	Commodity Year	Support Price ₹ Per Qtl for FAQ	Quantity procured in MTs.	Value ₹ Lakhs.	Major States of Procurement
(1)	(2)	(3)	(4)	(5)	(6)
6	Copra				
	2009-10	4450(Milling)	61281	28948.39	Kerala,T.N, A&N, Lakshadweep
		4700 (Ball)	1250	621.32	Karnataka
		3900 (Spl.)	2666	1099.17	Andhra Pradesh
	2010-11	4450(Milling)	30600	14531.76	Kerala, Karnataka, T.N,Lakshadweep
		4700 (Ball)	895	444.87	Karnataka
	2011-12	4525(Milling)	343	182.76	A&N Islands
		4775(Ball)	NIL	NIL	
	2012-13	5100(Milling)	66454.15	33891.61	T.N., Lakshadweep, Kerala, A.P, A&N
		5350 (Ball)	9229.84	4937.96	Karnataka and Kerala
		4335 (Spl.)	49.45	21.44	Andhra Pradesh
	2013-14	5250(Milling)	4328.71	2272.58	T.N., A&N, Kerala, A.P, Lakshadweep
		5500(Ball)	29535.28	16244.40	Karnataka
	2014-15	5250(Milling)	NIL	NIL	
		5500(Ball)	NIL	NIL	
	2015-16	5550(Milling)	NIL	NIL	
		5830(Ball)	NIL	NIL	
	2016-17	5950(Milling)	4488.94	2670.92	Tamil Nadu, Andhra Pradesh,
		6240(Ball)	1836.86	1146.20	Karnataka, Andhra Pradesh
	2017-18	6500(Milling)	NIL	NIL	
		6785(Ball)	NIL	NIL	
7	Sesamum				
	2010-11	2850	1885	537.12	West Bengal
	2011-12	3400	NIL	NIL	
	2012-13	4200	NIL	NIL	
	2013-14	4500	NIL	NIL	
	2014-15	4600	NIL	NIL	
	2015-16	4700	NIL	NIL	
	2016-17	4800^	NIL	NIL	
	2017-18	5200**	3740.27	1870.14	West Bengal

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

* Purchased at MSP(Rs 3700/) of 2012-13 for the year 2013-14 # figures upto 04.12.2017

** Bonus of Rs. 100 per quintal is payable over and above the MSP.

^ Bonus of Rs. 200 per quintal is payable over and above the MSP.

FAQ: Fair Average Quality

Table 9.5: Procurement of Onion by NAFED under Market Intervention Scheme

Year	Price (₹ Per Quintal)	Quantity Procured (Tonnes)	Value (₹ Lakh)	Major State(s) of Procurement
(1)	(2)	(3)	(4)	(5)
1996-97	300	60	1.98	Karnataka
1999-00	250	65000	1625	Maharashtra
2000-01	0	0	0	
2001-02	0	0	0	
2002-03	0	0	0	
2003-04	0	0	0	
2004-05	280	5000	0.73	Rajasthan
2005-06	0	0	0	
2006-07	0	0	0	
2007-08	0	0	0	
2008-09	0	0	0	
2009-10	0	0	0	
2010-11	0	0	0	
2011-12	0	0	0	
2012-13	0	0	0	
2013-14	0	0	0	
2014-15	0	0	0	
2015-16	0	0	0	
2016-17	0	0	0	

Source : National Agricultural Cooperative Marketing Federation of India Ltd (NAFED)

10

Per Capita Net Availability

Table 10.1: Per Capita Net Availability of Foodgrains (Per Annum) in India

(Kgs Per Year)

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	58.0	24.0	40.0	122.0	8.2	22.1	144.1
1956	68.7	22.5	40.7	131.9	10.6	25.7	157.6
1961	73.4	28.9	43.6	145.9	11.0	25.2	171.1
1966	59.1	34.8	37.5	131.4	6.7	17.6	149.0
1971	70.3	37.8	44.3	152.4	7.3	18.7	171.1
1976	68.5	29.1	39.2	136.8	7.4	18.5	155.3
1981	72.2	47.3	32.8	152.3	4.9	13.7	166.0
1985	68.9	50.6	32.1	151.6	4.7	13.9	165.5
1990	77.4	48.4	31.7	157.5	3.9	15.0	172.5
1991	80.9	60.0	29.2	171.0	4.9	15.2	186.2
1992	79.2	57.9	21.5	158.6	3.7	12.5	171.1
1993	73.4	51.2	31.6	156.2	3.9	13.2	169.4
1994	75.7	58.2	24.5	158.4	4.3	13.6	172.0
1995	80.3	63.0	23.7	167.0	5.4	13.8	180.8
1996	74.6	64.3	22.6	161.5	4.1	12.0	173.5
1997	78.1	65.4	26.6	170.1	4.5	13.5	183.6
1998	73.1	55.3	22.8	151.2	4.9	12.0	163.2
1999	74.2	59.2	23.1	156.7	5.3	13.3	170.0
2000	74.3	58.4	21.5	154.3	3.9	11.6	165.9
2001	69.5	49.6	20.5	141.0	2.9	10.9	151.9
2002	83.5	60.8	23.1	167.4	3.9	12.9	180.4
2003	66.2	65.8	17.1	149.1	3.1	10.6	159.7
2004	71.3	59.2	25.3	155.8	4.1	13.1	168.9
2005	64.7	56.3	21.7	142.7	3.9	11.5	154.2
2006	72.3	56.3	22.1	150.7	3.9	11.8	162.5
2007	70.8	57.6	20.3	148.7	4.3	12.9	161.6
2008	64.0	53.0	19.7	143.9	3.9	15.3	159.2
2009	68.8	56.5	23.3	148.6	4.7	13.5	162.1
2010	66.4	61.4	18.8	146.6	4.9	12.9	159.5
2011	66.3	59.7	23.9	149.9	5.3	15.7	170.9
2012	69.4	57.8	21.9	149.1	4.9	15.2	169.3
2013	72.1	66.8	19.2	158.1	5.6	15.8	179.5
2014	72.3	66.8	22.6	161.6	6.0	16.9	178.6
2015	67.9	61.3	28.4	153.8	5.1	16.0	169.8
2016	67.2	72.9	26.1	162.0	4.8	15.9	177.9
2017(P)	69.3	70.1	30.0	164.9	6.3	19.9	184.7

Source: Directorate of Economics and Statistics, DAC&FW

P- Provisional figures is based on 4th Advance Estimates of production for 2016-17.

Note:- The net availability of foodgrains is estimated to be Gross Production (-) seed, feed & wastage, (-) exports (+) imports(+/-) change in stocks.

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year. Net availability, thus worked out further divided by the number of days in a year i.e., 365 days gives us net availability of foodgrains in terms of grams/ day.

Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take in to account any change in stocks in possession of traders, producers and consumers.

Foodgrains includes rice, wheat, other cereals and all pulses

Table 10.2: Per Capita Net Availability of Foodgrains (Per Day) in India

(Grams Per Day)

Year	Rice	Wheat	Other Cereals	Cereals	Gram	Pulses	Food Grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1951	158.9	65.7	109.6	334.2	22.5	60.7	394.9
1956	187.7	61.5	111.2	360.4	29.0	70.3	430.7
1961	201.1	79.1	119.5	399.7	30.2	69.0	468.7
1966	161.9	95.4	102.6	359.9	18.3	48.2	408.1
1971	192.6	103.6	121.4	417.6	20.0	51.2	468.8
1976	187.2	79.5	107.4	373.8	20.2	50.5	424.3
1981	197.8	129.6	89.9	417.3	13.4	37.5	454.8
1985	188.8	138.6	87.9	415.3	12.9	38.1	453.4
1990	212.1	132.6	86.8	431.5	10.7	41.1	472.6
1991	221.7	166.8	80.0	468.5	13.4	41.6	510.1
1992	217.0	158.6	58.9	434.5	10.1	34.3	468.8
1993	201.1	140.2	86.6	427.9	10.7	36.2	464.1
1994	207.4	159.5	67.1	434.0	11.8	37.2	471.2
1995	220.0	172.7	64.9	457.6	14.9	37.8	495.5
1996	204.4	176.0	62.0	442.5	11.3	32.7	475.2
1997	214.0	179.1	72.9	466.0	12.4	37.1	503.1
1998	200.3	151.5	62.4	414.2	13.4	32.8	447.0
1999	203.4	162.3	63.4	429.2	14.6	36.5	465.7
2000	203.7	160.0	59.0	422.7	10.8	31.8	454.4
2001	190.5	135.8	56.2	386.2	8.0	30.0	416.2
2002	228.7	166.6	63.4	458.7	10.7	35.4	494.1
2003	181.4	180.4	46.7	408.5	8.5	29.1	437.6
2004	195.4	162.2	69.3	426.9	11.2	35.8	462.7
2005	177.3	154.3	59.4	390.9	10.6	31.5	422.4
2006	198.0	154.3	60.5	412.8	10.7	32.5	445.3
2007	194.0	157.8	55.5	407.4	11.9	35.5	442.8
2008	175.4	145.1	54.1	394.2	10.6	41.8	436.0
2009	188.4	154.7	63.9	407.0	12.9	37.0	444.0
2010	182.0	168.2	51.4	401.7	13.5	35.4	437.1
2011	181.5	163.5	65.6	410.6	14.6	43.0	468.2
2012	190.2	158.4	60.0	408.6	13.5	41.7	463.8
2013	197.4	183.1	52.7	433.2	15.3	43.3	491.9
2014	198.0	183.0	61.8	442.9	16.3	46.4	489.3
2015	186.0	168.0	77.7	421.4	14.0	43.8	465.1
2016	184.2	199.7	71.6	443.7	13.3	43.6	487.3
2017(P)	189.9	192.0	82.1	451.7	17.3	54.4	506.1

Source: Directorate of Economics and Statistics, DAC&FW

P- Provisional figures is based on 4th Advance Estimates of production for 2016-17.

Note- The net availability of foodgrains is estimated to be Gross Production

(-) seed, feed & wastage, (-) exports (+) imports, (+/-) change in stocks.

The net availability of foodgrains divided by the population estimates for a particular year indicate per capita availability of foodgrains in terms of kg/year.

Net availability, thus worked out further divided by the number of days in a year I.e., 365 days gives us net availability of foodgrains in terms of grams / day.

Figures in respect of per capita net availability given above are not strictly representative of actual level of consumption in the country especially as they do not take into account any change in stocks in possession of traders , producers and consumers.

Foodgrains includes rice, wheat, other cereals and all pulses

Table 10.3: Per Capita Availability of Certain Important Articles of Consumption

Year	Edible Oil ^a (kg)	Vanaspati ^b (kg)	Sugar (Nov-Oct) (kg) ^c	Cloth (meters) ^d			Tea (gm)	Coffee ^f (gm)
				Cotton ^e	Man- made	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1960-61	3.2	0.8	4.8	13.8	1.2	15.0	296	80.0
1970-71	3.5	1.0	7.4	13.6	2.0	15.6	401	65.0
1971-72	3.0	1.1	6.8	12.4	2.2	14.6	426	65.0
1972-73	2.4	1.0	6.2	13.2	2.0	15.2	458	69.0
1973-74	3.4	0.8	6.1	12.0	1.9	13.9	492	64.0
1974-75	3.3	0.6	5.8	12.9	1.7	14.6	471	62.0
1975-76	3.5	0.8	6.1	12.6	2.0	14.6	446	62.0
1976-77	3.2	0.9	6.0	11.4	2.4	13.8	450	71.0
1977-78	3.8	0.9	7.2	9.5	4.0	13.5	516	73.0
1978-79	3.8	1.0	9.6	10.2	4.8	15.0	599	77.0
1979-80	3.7	1.0	7.8	10.1	4.6	14.7	521	73.0
1980-81	3.8	1.2	7.3	12.9	4.4	17.3	511	79.0
1981-82	5.1	1.3	8.2	12.2	4.9	17.1	466	79.0
1982-83	4.5	1.3	9.0	11.8	4.3	16.1	525	82.0
1983-84	5.8	1.2	10.5	12.6	4.7	17.3	519	78.0
1984-85	5.5	1.3	10.7	12.6	4.6	17.2	576	72.0
1985-86	5.0	1.3	11.1	15.4	6.1	21.5	589	71.0
1986-87	5.0	1.2	11.4	15.2	6.6	21.8	545	76.0
1987-88	5.8	1.2	11.7	14.0	7.0	21.0	592	72.0
1988-89	5.3	1.2	12.1	15.0	8.0	23.0	612	79.0
1989-90	5.3	1.1	12.3	14.6	8.1	22.7	571	65.0
1990-91	5.5	1.0	12.7	15.1	9.0	24.1	612	59.0
1991-92	5.4	1.0	13.0	13.7	9.2	22.9	655	64.0
1992-93	5.8	1.0	13.7	15.6	8.9	24.5	649	60.0
1993-94	6.1	1.0	12.5	15.9	10.3	26.2	667	56.0
1994-95	6.3	1.0	13.2	15.2	10.8	26.0	664	55.0
1995-96	7.0	1.0	14.1	16.3	11.7	28.0	646	55.0
1996-97	8.0	1.0	14.6	16.2	13.1	29.3	657	58.0
1997-98	6.2	1.0	14.5	15.9	15.0	30.9	635	58.0
1998-99	8.5	1.3	14.9	13.1	15.1	28.2	684	65.0
1999-00	9.0	1.4	15.6	14.2	16.4	30.6	642	55.0
2000-01	8.2	1.3	15.8	14.2	16.5	30.7	631	58.0
2001-02	8.8	1.4	16.0	14.8	17.2	32.0	650	67.0
2002-03	7.2	1.4	16.3	14.4	17.0	31.4	623	67.0
2003-04	9.9	1.2	16.1	13.4	17.6	31.0	662	70.0
2004-05	10.2	1.1	15.5	14.1	19.4	33.5	663	72.0

(Contd.)

Year	Edible Oil ^a (kg)	Vanaspatti ^b (kg)	Sugar (Nov-Oct) (kg) ^c	Cloth (meters) ^d			Tea (gm)	Coffee ^f (gm)
				Cotton ^e	Man- made	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
2005-06	10.6	1.1	16.3	16.4	19.7	36.1	687	75.0
2006-07	11.1	1.2	16.8	18.0	21.6	39.6	687	77.0
2007-08	11.4	1.2	17.8	19.0	22.8	41.9	701	80.0
2008-09	12.7	1.3	18.8	17.9	21.1	39.0	704	82.0
2009-10	13.3	1.1	17.9	19.7	23.4	43.1	709	86.0
2010-11	13.6	1.0	17.0	21.4	22.6	44.0	715	90.0
2011-12	13.8	1.0	18.7	19.8	20.7	40.5	728	95.0
2012-13	15.8	0.7	18.7	19.9	18.6	38.5	779	97.0
2013-14	16.8	0.8	19.5	19.9	16.4	36.2	744	100.0
2014-15	18.3	0.8	20.3	23.6	17.0	40.6	752	100.0
2015-16	17.7	0.8	19.4(P)	24.6	15.9	40.5	758	100.0

Source: Economic Survey 2017-18, Ministry of Finance

(P) Provisional

Note:

- a: Includes Groundnut Oil, Rapeseed and Mustard Oil, Sesamum Oil, Nigerseed Oil, Soyabean Oil and Sunflower Oil but excludes oil for manufacture of Vanaspatti.
- b: Relates to calendar year.
- c: Relates to actual releases for domestic consumption.
- d: The data of cloth; prior to 1980-81 is calendar year wise, in meters up to 1984-85 and square meter from 1985-86 onwards.
- e: Figures for blended/mixed fabrics were not separately available prior to 1969. These have been included under man-made fibre fabrics after 1969.
- f: Figures upto 1971-72 relate to coffee season and thereafter on calendar year basis. The figures for 1972-73 correspond to 1973 and so on.

Table 10.4(a): Trends in percentage composition of consumer expenditure since 1993-94

Item group	Rural						Urban				
	1993-94 (2)	1999-00* (3)	2004-05 (4)	2009-10 (5)	2011-12 (6)	1993-94 (7)	1999-00* (8)	2004-05 (9)	2009-10 (10)	2011-12 (11)	
Cereal	24.2	22.2	18.0	15.6	12.0	14.0	12.4	10.1	9.1	7.3	
Gram	0.2	0.1	0.1	0.2	0.2	0.2	0.1	0.1	0.1	0.1	
Cereal substitutes	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	
Pulses & products	3.8	3.8	3.1	3.7	3.1	3.0	2.8	2.1	2.7	2.1	
Milk & products	9.5	8.8	8.5	8.6	9.1	9.8	8.7	7.9	7.8	7.8	
Edible oil	4.4	3.7	4.6	3.7	3.8	4.4	3.1	3.5	2.6	2.7	
Egg fish & meat	3.3	3.3	3.3	3.5	3.6	3.4	3.1	2.7	2.7	2.8	
Vegetables	6.0	6.2	6.1	6.2	4.8	5.5	5.1	4.5	4.3	3.4	
Fruits & nuts	1.7	1.7	1.9	1.6	1.9	2.7	2.4	2.2	2.1	2.3	
Sugar	3.1	2.4	2.4	2.4	1.8	2.4	1.6	1.5	1.5	1.2	
Salt & spices	2.7	3.0	2.5	2.4	2.4	2.0	2.2	1.7	1.5	1.7	
Beverages, etc.	4.2	4.2	4.5	5.6	5.8	7.2	6.4	6.2	6.3	7.1	
Food total	63.2	59.4	55.0	53.6	48.6	54.7	48.1	42.5	40.7	38.6	
Pan, tobacco, intoxic.	3.2	2.9	2.7	2.2	2.4	2.3	1.9	1.6	1.2	1.4	
Fuel & light	7.4	7.5	10.2	9.5	9.2	6.6	7.8	9.9	8.0	7.6	
Clothing & bedding	5.4	6.9	4.5	4.9	6.3	4.7	6.1	4.0	4.7	5.3	
Footwear	0.9	1.1	0.8	1.0	1.3	0.9	1.2	0.7	0.9	1.2	
Misc. & services	17.3	19.6	23.4	24.0	26.1	27.5	31.3	37.2	37.8	39.7	
Durable goods	2.7	2.6	3.4	4.8	6.1	3.3	3.6	4.1	6.7	6.3	
Non-food total	36.8	40.6	45.0	46.4	51.4	45.3	51.9	57.5	59.3	61.5	
Total expenditure	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1	

Source: National Sample Survey Office (NSSO)

* Uniform Reference Period (URP) estimates shown except for 1999-2000, for which only Mixed Reference Period (MRP) estimates are available.

Table 10.4(b): Per capita Consumption of Different Commodities

Commodities	Year	Quantity in Kg/Litre/No.			
		Qty. consumed in a month		Qty. consumed per Annum	
		Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
Rice & its Products (Kg)	1993-94	6.79	5.13	82.61	62.42
	1999-00	6.59	5.10	80.18	62.05
	2004-05	6.38	4.71	77.62	57.31
	2009-10	6.14	4.66	74.70	56.64
	2011-12	6.13	4.66	74.62	56.73
Wheat Atta & its Products (Kg)	1993-94	4.32	4.44	52.56	54.02
	1999-00	4.45	4.45	54.14	54.14
	2004-05	4.19	4.36	50.98	53.05
	2009-10	4.36	4.34	53.03	52.82
	2011-12	4.43	4.32	53.85	52.57
Other cereals (Kg)	1993-94	2.29	1.03	27.86	12.53
	1999-00	1.68	0.87	20.44	10.59
	2004-05	1.55	0.87	18.86	10.59
	2009-10	0.85	0.38	10.34	4.60
	2011-12	0.66	0.30	8.03	3.65
All cereals (Kg)	1993-94	13.40	10.60	163.03	128.97
	1999-00	12.72	10.42	154.76	126.78
	2004-05	12.12	9.94	147.46	120.94
	2009-10	11.35	9.37	138.08	114.05
	2011-12	11.22	9.28	136.51	112.91
All pulses & pulse products (Kg)	1993-94	0.76	0.86	9.25	10.46
	1999-00	0.84	1.00	10.22	12.17
	2004-05	0.71	0.82	8.64	9.98
	2009-10	0.65	0.79	7.92	9.60
	2011-12	0.78	0.90	9.53	10.96
All edible oil (Kg)	1993-94	0.37	0.56	4.50	6.81
	1999-00	0.50	0.72	6.08	8.76
	2004-05	0.48	0.66	5.84	8.03
	2009-10	0.64	0.82	7.74	9.95
	2011-12	0.67	0.85	8.20	10.38
Banana (No.)	1993-94	2.20	4.48	26.77	54.51
	1999-00	2.48	5.00	30.17	60.83
	2004-05	2.37	4.14	28.84	50.37
	2009-10	3.86	6.65	46.96	80.91
	2011-12	4.18	6.69	50.86	81.40
Coconut (No.)	1993-94	0.32	0.46	3.89	5.60
	1999-00	0.37	0.51	4.50	6.21
	2004-05	0.35	0.47	4.26	5.72
	2009-10	0.46	0.63	5.55	7.64
	2011-12	0.49	0.61	5.96	7.42
Mango (kg)	1993-94	0.06	0.12	0.73	1.46
	1999-00	0.10	0.16	1.22	1.95
	2004-05	0.09	0.11	1.10	1.34
	2009-10	0.11	0.16	1.31	1.92

(Contd.)

Commodities	Year	Qty. consumed in a month		Qty. consumed per Annum	
		Rural	Urban	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
Apple (kg)	1993-94	0.03	0.11	0.37	1.34
	1999-00	0.08	0.00	0.97	
	2004-05	0.03	0.12	0.37	1.40
	2009-10	0.05	0.16	0.55	1.92
	2011-12	0.06	0.19	0.71	2.32
Groundnut (kg)	1993-94	0.03	0.04	0.37	0.49
	1999-00	0.05	0.06	0.61	0.73
	2004-05	0.05	0.08	0.61	0.97
	2009-10	0.05	0.07	0.61	0.82
	2011-12	0.06	0.09	0.77	1.06
Vegetables* (Kg)	1993-94	2.71	2.91	32.97	35.41
	1999-00	3.30	3.49	40.15	42.46
	2004-05	2.92	3.17	35.53	38.57
	2009-10	4.04	4.12	49.14	50.11
	2011-12	4.33	4.32	52.71	52.61
Milk : liquid (litre)	1993-94	3.94	4.89	47.94	59.50
	1999-00	3.79	5.10	46.11	62.05
	2004-05	3.87	5.11	47.09	62.17
	2009-10	4.12	5.36	50.09	65.19
	2011-12	4.33	5.42	52.72	65.97
Eggs (No.)	1993-94	0.64	1.48	7.79	18.01
	1999-00	1.09	2.06	13.26	25.06
	2004-05	1.01	1.72	12.29	20.93
	2009-10	1.73	2.67	21.08	32.53
	2011-12	1.94	3.18	23.60	38.69
Fish (kg)	1993-94	0.18	0.20	2.19	2.43
	1999-00	0.21	0.22	2.56	2.68
	2004-05	0.20	0.21	2.45	2.51
	2009-10	0.27	0.24	3.27	2.90
	2011-12	0.27	0.25	3.24	3.07
Goat meat/ mutton (kg)	1993-94	0.06	0.11	0.73	1.34
	1999-00	0.07	0.10	0.85	1.22
	2004-05	0.05	0.07	0.57	0.85
	2009-10	0.05	0.09	0.57	1.11
	2011-12	0.05	0.08	0.60	0.96
Chicken (kg)	1993-94	0.02	0.03	0.24	0.37
	1999-00	0.04	0.06	0.49	0.73
	2004-05	0.05	0.09	0.61	1.03
	2009-10	0.12	0.18	1.50	2.19
	2011-12	0.18	0.24	2.17	2.91

Source: National Sample Survey Office (50, 55, 61, 66 & 68th Round)

* Includes potato, onion, brinjal, cauliflower, cabbage and tomato

11

Stock, Consumption and Storage Capacity

Table 11.1(a) : Stock of Food grains in the Central Pool(As on 1st January)
(Million Tonnes)

Year	Rice	Wheat	Coarse Cereals	Total
(1)	(2)	(3)	(4)	(5)
1991	9.63	9.38	0.12	19.13
1992	9.29	5.43	0.01	14.73
1993	9.48	3.47	0.18	13.13
1994	11.95	11.10	0.47	23.52
1995	17.42	12.88	-	30.30
1996	15.41	13.15	-	28.56
1997	12.94	7.08	-	20.02
1998	11.49	6.76	-	18.25
1999	11.68	12.70	-	24.38
2000	14.18	17.17	-	31.35
2001	20.70	25.04	0.03	45.77
2002	25.62	32.41	0.08	58.11
2003	19.37	28.83	-	48.20
2004	11.73	12.69	0.60	25.02
2005	12.76	8.93	0.00	21.69
2006	12.64	6.19	0.43	19.26
2007	11.98	5.43	0.09	17.50
2008	11.47	7.71	0.00	19.18
2009	17.58	18.21	0.40	36.19
2010	24.35	23.09	0.25	47.69
2011	25.58	21.54	0.10	47.22
2012	29.72	25.67	0.10	55.49
2013	32.22	34.38	0.09	66.69
2014	14.70	28.05	0.38	43.12
2015	11.74	25.11	0.26	37.11
2016	12.69	23.79	0.09	36.57
2017	13.47	13.75	0.14	27.36

Source: Department of Food & Public Distribution.

**Table 11.1(b) : Existing Buffer Stock Norms for Food grains
(applicable since 22.01.2015)**

(Million Tonnes)

Year	Rice	Wheat	Total
(1)	(2)	(3)	(4)
1st April	13.58	7.46	21.04
1st July	13.54	27.58	41.12
1st October	10.25	20.52	30.77
1st January	7.61	13.80	21.41

Source: Department of Food & Public Distribution.

The above norms include a Food Security Reserve of 3 million tonnes of wheat from 01.07.2008 and 2 million tonnes of rice from 01.01.2009

Table 11.2: Consumption and Stock of Raw Jute

(Lakh Bales of 180 Kgs.each)

Year (July-June)	Consumption	Stock (End of Season)
(1)	(2)	(3)
1982-83	75.60	18.98
1983-84	63.83	20.91
1984-85	78.33	7.50
1985-86	87.68	42.42
1986-87	82.00	43.00
1987-88	74.00	34.00
1988-89	84.50	20.50
1989-90	86.00	9.50
1990-91	87.40	16.10
1991-92	79.50	32.00
1992-93	85.00	25.00
1993-94	87.50	9.50
1994-95	85.50	9.00
1995-96	87.00	5.00
1996-97	91.10	18.50
1997-98	130.00	27.00
1998-99	97.00	22.00
1999-00	97.50	10.50
2000-01	97.50	7.00
2001-02	100.00	16.00
2002-03	101.00	34.00
2003-04	96.00	33.00
2004-05	98.00	27.00
2005-06	98.00	8.00
2006-07	89.00	23.00
2007-08	108.00	22.00
2008-09	98.00	8.00
2009-10	89.00	12.00
2010-11	97.00	22.50
2011-12	103.00	31.00
2012-13	104.00	29.00
2013-14	96.00	24.00
2014-15	82.00	15.00
2015-16	79.00	6.00
2016-17*	80.00	22.00

Source: Jute Corporation of India, Kolkata

* Estimated

Tabel 11.3(a): State-wise Storage capacity

(In Lakh MTs)

S.No	States/ Uts	March, 2013	March, 2014	March, 2015	March, 2016	March, 2017
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Bihar	11.21	11.50	10.49	15.10	15.56
2	Odisha	15.33	14.09	13.57	11.63	13.57
3	West Bengal	19.68	19.64	14.68	16.72	18.64
4	Sikkim	0.11	0.11	0.00	0.00	0
5	Jharkhand	1.69	2.11	2.95	2.53	2.91
	Total East Zone	48.02	47.46	41.69	45.98	50.68
6	Assam	6.07	6.25	5.76	6.29	3.98
7	Arunachal Pradesh	0.23	0.23	0.28	0.23	0.41
8	Tripura	0.76	0.83	0.37	0.83	0.43
9	Manipur	0.30	0.31	0.32	0.32	0.32
10	Nagaland	0.46	0.46	0.33	0.45	0.44
11	Mizoram	0.26	0.26	0.25	0.67	0.25
12	Meghalaya	0.40	0.42	0.28	0.23	0.23
	Total N.E Zone	8.48	8.77	7.59	9.02	6.06
13	Delhi	5.16	5.14	3.67	3.67	3.67
14	Haryana	57.66	64.78	107.77	116.11	101.73
15	Himachal Pradesh	0.45	0.45	0.51	0.49	0.35
16	Jammu & Kashmir	1.41	1.75	2.10	2.49	2.59
17	Punjab	168.10	182.66	240.00	252.56	250.13
18	Chandigarh	3.70	4.09	0.00	0.00	0
19	Rajasthan	38.78	39.88	25.49	23.24	21.42
20	Uttar Pradesh	102.63	91.59	57.53	64.43	58.28
21	Uttarakhand	2.73	2.84	3.67	3.80	0.21
	Total North Zone	380.60	393.18	440.74	466.79	441.93
22	Andhra Pradesh	91.30	68.47	27.31	24.02	28.71
23	Telangana	-	-	19.79	20.88	17.52
24	Kerala	9.06	9.00	5.89	5.89	5.55
25	Karnataka	24.16	25.02	29.24	29.62	13.87
26	Tamil Nadu	23.36	24.41	17.58	16.99	26.97
27	Puducherry	0.84	0.84	0.00	0.00	0
28	A&N Islands	0.10	0.10	0.00	0.00	0
29	Lakshadweep	0.00	0.00	0.00	0.00	0
	Total South Zone	148.82	127.84	99.81	97.40	92.62
30	Gujarat	17.21	18.33	9.86	9.26	8.82
31	Maharashtra	50.66	53.43	31.79	31.55	31.98
32	Goa	0.50	0.50	0.20	0.20	
33	Madhya Pradesh	59.20	68.63	59.17	129.66	124.29
34	Chhattisgarh	23.66	23.70	23.58	24.98	19
35	Daman & Diu	0.00	0.00	0.00	0.00	0
36	D&N Haveli	0.00	0.00	0.00	0.00	0
	Total West Zone	151.22	164.58	124.60	195.65	184.09
	Grand Total	737.14	741.83	714.43	814.84	775.38

Source: Department of Food & Public Distribution.

Note: Storage capacity pertains to FCI, CWC and SWC. It includes Owned and Hired, Covered and Cap Storage

Table 11.3 (b): State wise Cold Storage capacity as on 31.3.2017

S. No.	Name of the State/UT	No. of Project	Capacity (MI)
(1)	(2)	(3)	(4)
1	Andaman & Nicobar	2	210
2	Andhra Pradesh & Telangana	432	1757785
3	Arunachal Pradesh	1	5000
4	Assam	36	157906
5	Bihar	305	1416095
6	Chandigarh	7	12462
7	Chhattisgarh	98	484557
8	Delhi	97	129857
9	Goa	29	7705
10	Gujarat	753	2875713
11	Haryana	336	741446
12	Himachal Pradesh	63	119167
13	Jammu & Kashmir	36	112206
14	Jharkhand	58	236680
15	Karnataka	194	553401
16	Kerala	196	78105
17	Lakshadweep	1	15
18	Madhya Pradesh	294	1253715
19	Maharashtra	581	896730
20	Manipur	1	3000
21	Meghalaya	4	8200
22	Mizoram	3	4471
23	Nagaland	2	6150
24	Odisha	170	538139
25	Puducherry	3	85
26	Punjab	655	2152003
27	Rajasthan	161	527893
28	Sikkim	2	2100
29	Tamil Nadu	168	316583
30	Tripura	14	45477
31	Uttar Pradesh	2285	14139098
32	Uttrakhand	45	151421
33	West Bengal	511	5940511
	All India	7543	34673886

Source: Directorate of Marketing and Inspection (DMI) upto 2009, National Horticulture Board (NHB), National Horticulture Mission (NHM) & Ministry of Food Processing Industries (MoFPI) afterwards.

Table 11.3(c): State-wise Storage Capacity sanctioned since inception under Agricultural Marketing Infrastructure (AMI) Sub-Scheme of Integrated Scheme on Agricultural Marketing (ISAM) (erstwhile Grameen Bhandaran Yojana)

Sl. No	Name of State/UT	Upto March, 2015		Upto March, 2016		Upto March, 2017	
		No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1	Andhra Pradesh	1225*	4833180	1326*	5336995	1296*	5156248
2	Arunachal Pradesh	1	945	1	945	1	945
3	Assam	266	724806	266	724806	266	739357
4	Bihar	990	487187	990	487187	990	487187
5	Chhattisgarh	525	1662791	571	1925103	642	2227239
6	Goa	1	299	1	299	1	299
7	Gujarat	9908	3392032	11346	4215750	11326	4289737
8	Haryana	2198	6748691	2250	7581327	2133	7995342
9	Himachal Pradesh	78	24798	78	24798	78	24798
10	Jammu & Kashmir	7	35648	10	55648	14	83027
11	Jharkhand	18	93071	23	142316	24	119316
12	Karnataka	4421	3301374	4625	3570281	4453	3750386
13	Kerala	211	90842	209	90507	205	89907
14	Madhya Pradesh	3283	7805063	3592	9399049	3758	10250369
15	Maharashtra	3153	5255291	3303	5707492	3469	6328513
16	Meghalaya	16	21012	16	21012	16	21012
17	Mizoram	1	302	1	302	1	302
18	Nagaland	1	814	1	814	1	814

(Contd.)

Sl. No	Name of State/UT	Upto March, 2015		Upto March, 2016		Upto March, 2017	
		No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT	No. of godown projects sanctioned	Storage Capacity Sanctioned in MT
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
19	Odisha	419	781575	419	781575	419	781575
20	Punjab	1704	6376653	1732	6683289	1742	6723746
21	Rajasthan	1360	2054217	1422	2576013	1424	2572908
22	Tamil Nadu	1040	1122809	1070	1236214	1105	1332345
22	Uttar Pradesh	1081	4936198	1110	5196610	1108	5193210
23	Uttarakhand	266	786138	273	752046	278	752793
24	West Bengal	2480	1394533	2480	1394532	2548	1570777
25	Tripura	4	25756	4	25756	4	25756
26	Telangana	583	3496782	676	4018522	690	4144820
27	UTs	0	0	0	0	0	0
	Total	35240	55452807	37795	61949188	36696	64662728

Source: Directorate of Marketing & Inspection, DAC&FW

* Excluding Telangana state

12

Imports/ Exports/ Inflation Rates

Table 12.1: India's Imports and Exports of Agricultural Commodities

Year	(Value in ₹ Crore)						
	(2)	(3)	(4)	(5)	(6)	(7)	
	Agriculture Imports	Total National Imports	% of Agriculture Imports to Total National Imports	Agriculture Exports	Total National Exports	% of Agriculture Exports to Total National Exports	
1990-91	1205.86	43170.82	2.79	6012.76	32527.28	18.49	
1991-92	1478.27	47850.84	3.09	7838.04	44041.81	17.80	
1992-93	2876.25	63374.52	4.54	9040.30	53688.26	16.84	
1993-94	2327.33	73101.01	3.18	12586.55	69748.85	18.05	
1994-95	5937.21	89970.70	6.60	13222.76	82673.40	15.99	
1995-96	5890.10	122678.14	4.80	20397.74	106353.35	19.18	
1996-97	6612.60	138919.88	4.76	24161.29	118817.32	20.33	
1997-98	8784.19	154176.29	5.70	24832.45	130100.64	19.09	
1998-99	14566.48	178331.69	8.17	25510.64	139751.77	18.25	
1999-00	16066.73	215528.53	7.45	25313.66	159095.20	15.91	
2000-01	12086.23	228306.64	5.29	28657.37	201356.45	14.23	
2001-02	16256.61	245199.72	6.63	29728.61	209017.97	14.22	
2002-03	17608.83	297205.87	5.92	34653.94	255137.28	13.58	
2003-04	21972.68	359107.66	6.12	36415.48	293366.75	12.41	
2004-05	22811.84	501064.54	4.55	41602.65	375339.53	11.08	
2005-06	15977.75	660408.90	2.42	45710.97	456417.86	10.02	
2006-07	23000.28	840506.31	2.74	57767.87	571779.28	10.10	
2007-08	22549.81	1012311.70	2.23	74673.48	655863.52	11.39	
2008-09	28719.24	1374435.55	2.09	81064.52	840755.06	9.64	
2009-10	54365.29	1363735.55	3.99	84443.95	845533.64	9.99	
2010-11	51073.97	1683466.96	3.03	113046.58	1136964.22	9.94	
2011-12	70164.51	2345463.24	2.99	182801.00	1465959.31	12.47	
2012-13	95718.89	2669161.96	3.59	227192.61	1634318.29	13.90	
2013-14	85727.30	2715433.91	3.16	262778.54	1905011.00	13.79	
2014-15	121319.02	2737086.58	4.43	239681.04	1896445.47	12.64	
2015-16	140289.69	2490298.08	5.63	215395.68	1716378.05	12.55	
2016-17 (P)	164726.83	2577665.59	6.39	226651.94	1849428.76	12.26	

Source: Directorate General of Commercial Intelligence & Statistics, Department of Commerce.

(P) - Provisional

Note: Commodities covered under Agriculture sector have been revised after inter-Departmental consultation.

Table 12.2 : India's Imports of Agricultural Commodities

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Tea	34.46	276.52	20.82	202.00	22.43	218.91	22.30	274.52
Coffee	40.88	297.34	41.63	295.00	46.06	469.52	71.20	795.72
Rice- Basmati	0.00	0.00	0.00	0.00	0.46	2.47	0.00	0.00
Rice (other than Basmati)	0.07	0.37	0.19	0.92	0.60	3.00	0.72	3.96
Wheat	164.38	231.90	185.28	255.84	0.02	0.08	2.94	6.03
Other cereals	33.69	76.33	30.68	59.53	15.36	30.04	45.58	111.01
Pulses	3749.99	10629.16	2777.83	7512.49	3495.84	9448.35	4013.24	13344.63
Tobacco unmanufactured	1.07	37.76	1.32	44.61	2.02	68.57	2.17	91.94
Tobacco manufactured	-	78.73	-	80.36	-	113.01	-	155.01
Spices	161.78	1476.04	124.49	1595.91	146.77	2284.85	175.56	2715.76
Cashew	755.96	3047.50	529.73	2649.07	811.90	5381.43	898.52	5433.91
Cashew nut shell liquid	0.00	0.00	0.04	0.07	0.20	0.32	0.14	0.33
Sesame seeds	9.23	53.26	8.73	37.66	0.61	3.93	38.05	296.03
Niger seeds	3.50	13.33	0.23	0.79	0.12	0.39	0.00	0.00
Groundnut	0.39	1.70	0.00	0.00	0.10	0.47	0.04	0.29
Other oil seeds	56.94	118.18	44.95	74.76	41.22	88.77	44.26	109.74
Vegetable oils	6734.45	22316.68	6039.02	25919.59	7081.98	38909.02	9606.24	53561.61

(Contd.)

Commodity	2013-14			2014-15			2015-16 (P)			2016-17 (P)		
	Quantity	Value		Quantity	Value		Quantity	Value		Quantity	Value	
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
(1)	22.74	291.68	28.39	388.66	23.72	377.47	24.89	338.35	23.72	377.47	24.89	338.35
Tea	59.94	729.02	74.88	930.47	65.61	801.83	78.04	926.81	65.61	801.83	78.04	926.81
Coffee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Rice- Basmati	1.44	8.29	1.96	10.83	1.02	5.91	1.14	7.25	1.02	5.91	1.14	7.25
Rice (other than Basmati)	11.27	26.92	29.49	61.34	517.67	872.59	5749.43	8509.05	517.67	872.59	5749.43	8509.05
Wheat	22.32	98.03	23.40	61.76	206.14	344.31	311.37	493.18	206.14	344.31	311.37	493.18
Other cereals	3177.89	11036.75	4584.85	17062.94	5797.71	25619.06	6609.49	28523.18	5797.71	25619.06	6609.49	28523.18
Pulses	1.55	79.52	1.93	98.17	2.88	137.30	1.97	77.21	2.88	137.30	1.97	77.21
Tobacco unmanufactured	-	168.87	-	200.28	-	193.92	0.00	228.54	-	193.92	0.00	228.54
Tobacco manufactured	155.58	3451.69	163.09	4393.25	193.44	5399.95	242.29	5760.25	193.44	5399.95	242.29	5760.25
Spices	776.33	4667.80	933.19	6599.74	961.67	8701.28	774.51	9027.09	961.67	8701.28	774.51	9027.09
Cashew	0.38	2.08	1.72	10.03	1.86	5.60	1.69	3.67	1.86	5.60	1.69	3.67
Cashew nut shell liquid	72.93	808.64	34.77	379.99	23.60	179.66	69.03	442.15	23.60	179.66	69.03	442.15
Sesame seeds	0.70	3.73	0.70	3.73	5.78	44.14	10.66	82.82	5.78	44.14	10.66	82.82
Niger seeds	0.11	0.36	0.13	0.49	0.11	0.31	0.33	1.39	0.11	0.31	0.33	1.39
Groundnut	54.70	166.79	51.56	163.29	62.51	218.62	116.64	392.36	62.51	218.62	116.64	392.36
Other oil seeds	7942.90	44038.04	12731.60	64889.60	15642.33	68676.62	14007.39	73038.98	15642.33	68676.62	14007.39	73038.98
Vegetable oils	126.94	199.87	165.10	272.65	255.01	429.91	550.43	974.59	255.01	429.91	550.43	974.59
Oil meals	0.38	21.85	0.13	5.72	0.63	13.93	0.18	2.41	0.63	13.93	0.18	2.41
Guargam meal												

(Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)
(1)	127.73	104.69	79.22	75.03	86.13	98.72	148.30	210.38
Oil meals								
Guargam meal	0.07	2.41	0.09	2.66	0.30	9.90	0.57	33.61
Castor oil	0.06	0.44	0.01	0.91	0.06	1.29	0.14	2.23
Shellac	3.55	34.10	3.29	50.55	0.54	22.15	2.78	172.61
Sugar	2551.42	5965.80	1034.58	2789.54	99.71	313.83	1122.25	3094.38
Mollases	45.54	32.29	7.29	6.15	12.40	4.35	14.68	7.50
Fruits / vegetable seeds	12.67	284.42	11.14	291.22	13.18	380.15	16.05	471.10
Fresh fruits	562.19	2843.47	630.23	3586.51	723.27	4610.84	802.14	6180.47
Fresh vegetables	5.40	8.14	16.61	40.60	5.04	7.31	7.03	11.24
Processed vegetables	-	77.90	-	117.48	-	120.19	-	149.01
Processed fruits and juices	-	191.12	-	251.54	-	314.93	-	432.02
Cereal preparations	39.11	188.92	37.73	243.43	45.82	316.39	50.42	359.98
Cocoa products	25.23	376.08	33.80	584.21	5.08	934.32	53.33	1049.25
Milled products	2.49	9.76	3.74	10.96	2.88	11.88	4.52	23.75
Misc processed items	-	552.34	-	664.01	-	915.19	-	1268.33
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Buffalo meat	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sheep/goat meat	0.04	1.22	0.03	0.80	0.01	0.21	0.02	1.52
Other meat	0.33	6.67	0.35	7.01	0.54	12.48	0.43	15.71

(Contd.)

Commodity	2013-14			2014-15			2015-16 (P)			2016-17 (P)		
	Quantity	Value		Quantity	Value		Quantity	Value		Quantity	Value	
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)		
(1)	0.07	2.04	0.05	1.81	0.03	1.10	0.11	1.50				
Castor oil	0.68	45.80	1.77	59.54	0.71	19.48	0.46	13.43				
Shellac	880.96	2286.86	1538.64	3668.21	1943.13	4037.86	2146.15	6868.61				
Sugar	15.07	8.93	60.28	30.14	17.27	7.50	13.84	9.04				
Mollases	8.29	449.48	14.01	611.53	14.33	703.03	14.07	653.33				
Fruits / vegetable seeds	769.14	7715.96	900.98	9566.81	839.54	11071.57	1057.51	11290.62				
Fresh fruits	25.98	41.67	8.24	11.14	140.73	394.45	8.55	11.12				
Fresh vegetables	-	173.94	10.96	104.45	15.38	120.33	13.32	115.26				
Processed vegetables	-	410.83	33.55	499.54	38.96	526.49	42.99	548.10				
Processed fruits and juices	53.47	419.34	72.72	583.93	61.49	574.89	66.46	579.03				
Cereal preparations	51.63	1071.55	65.39	1551.63	56.42	1398.91	63.61	1542.28				
Cocoa products	3.98	22.01	3.47	17.72	4.39	21.40	3.56	16.22				
Milled products	-	1474.47	-	1785.23	-	1811.12	0.00	2115.82				
Misc processed items	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
Animal casings	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
Buffalo meat	0.06	5.13	0.09	8.73	0.05	4.80	0.13	8.50				
Sheep/goat meat	0.36	15.80	0.47	19.50	0.50	17.18	0.59	19.03				
Other meat	0.39	7.64	0.17	5.17	0.07	2.75	0.13	4.47				
Processed meat	-	232.68	43.84	375.01	18.23	371.58	16.91	254.84				
Dairy products												

(Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)
Processed meat	1.41	9.79	0.78	7.56	0.96	9.74	0.57	9.02
Dairy products	-	333.64	-	847.83	-	1219.41	-	184.25
Poultry products	-	26.72	-	14.46	-	19.72	-	18.29
Floriculture products	-	45.88	-	45.48	-	68.64	-	85.67
Alcoholic beverages	-	1244.26	-	1029.13	-	1309.77	-	1416.77
Marine products	27.35	303.09	28.35	429.04	34.22	569.53	28.10	452.70
Ayush and herbal products	17.73	136.36	8.16	155.12	0.89	184.75	10.96	243.75
Jute, raw	62.66	149.49	83.30	302.49	181.26	449.17	148.73	370.79
Jute hessian	-	231.22	-	169.43	-	177.34	-	87.34
Cotton raw incld. Waste	-	1241.37	-	622.24	-	1059.19	232.55	2466.74
Total Agricultural Imports	-	53056.37	-	51073.97	-	70164.51	-	95718.89
Total National Imports	-	1363735.55	-	1683466.96	-	2345463.24	-	2669161.96
% Share of Agricultural Import in National Imports	-	3.89	-	3.03	-	2.99	-	3.59

(Contd.)

Commodity	2013-14		2014-15		2015-16 (P)		2016-17 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)	Quantity (16)	Value (17)
Poultry products	-	23.39	-	38.22	-	26.42	0.00	29.46
Floriculture products	-	112.19	4.82	113.37	4.77	114.40	5.57	133.81
Alcoholic beverages	-	2076.18	-	2508.66	-	2935.85	452.72	3590.33
Marine products	31.22	411.01	27.72	453.90	50.13	639.77	52.02	633.39
Ayush and herbal products	10.86	318.50	23.48	352.58	11.67	354.35	11.36	358.87
Jute, raw	52.65	146.25	44.00	139.58	88.37	363.44	138.84	704.13
Jute bessian	-	79.92	-	177.79	-	181.41	0.00	57.45
Cotton raw incld. Waste	180.97	2375.78	289.39	3101.92	231.81	2566.21	499.62	6338.92
Total Agricultural Imports	-	85727.30	-	121319.02	-	140288.69	-	164726.83
Total National Imports	-	2715433.91	-	2737086.58	-	2490298.08	-	2577665.59
% Share of Agricultural Import in National Imports	-	3.16	-	4.43	-	5.63	-	6.39

Source:- Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.

(P) - Provisional

Note: Commodities covered under agriculture sector have been revised after inter-Departmental consultation. after consultation with Trade Division, DAC&FW

Table 12.3: India's Exports of Agricultural Commodities

(Quantity: '000 tonnes)
(Value in ₹ Crore)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)
Tea	207.83	2943.53	238.15	3354.34	271.98	4078.53	268.80	4718.79
Coffee	157.13	2032.06	231.00	3009.91	276.52	4534.62	254.02	4711.07
Rice-Basmati	2016.87	10889.60	2330.25	11354.63	3169.45	15449.60	3459.83	19409.39
Rice(other than Basmati)	139.55	365.30	100.68	231.29	3991.77	8659.13	6687.85	14448.81
Wheat	0.03	0.05	0.40	0.70	749.63	1023.20	6514.82	10529.00
Other cereals	2881.22	2973.19	3220.09	3648.49	4072.57	5492.92	5441.31	8180.61
Pulses	100.13	408.32	209.02	870.04	173.50	1067.93	202.67	1284.99
Tobacco unmanufactured	230.80	3621.44	215.88	3151.58	197.17	2899.46	230.41	3815.76
Tobacco manufactured	-	722.96	-	833.61	-	1106.96	-	1214.47
Spices	601.40	5948.73	688.39	7886.51	858.20	13102.50	932.59	15176.75
Cashew	107.47	2801.58	92.38	2819.39	107.81	4390.16	104.09	4067.21
Cashew nut shell liquid	11.23	27.62	11.92	33.77	13.19	59.46	9.19	29.84
Sesame seeds	215.69	1494.10	360.13	2307.52	388.23	2641.66	299.48	2880.85
Niger seeds	6.00	24.23	12.86	44.51	28.23	117.27	17.90	90.13
Groundnut	340.26	1425.93	433.76	2178.41	832.62	5246.45	535.64	4065.36
Other oil seeds	49.79	139.36	42.82	113.40	61.81	201.43	87.59	414.61
Vegetable oils	14.75	182.90	13.71	114.62	29.67	269.10	36.09	469.35

(Contd.)

Commodity	2013-14		2014-15		2015-16 (P)		2016-17 (P)	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
(1)								
Tea	249.91	4873.34	234.39	4171.25	245.70	4719.00	243.43	4905.64
Coffee	253.90	4799.10	463.55	4973.25	255.74	5125.45	288.61	5646.43
Rice- Basmati	3754.10	29291.82	3698.93	27586.71	4045.83	22718.60	3985.21	21512.91
Rice (other than Basmati)	7148.47	17795.21	8302.21	20441.55	6464.59	15483.39	6770.83	16929.88
Wheat	5572.03	9277.65	2924.05	4991.81	666.68	1061.77	265.61	447.85
Other cereals	4637.54	7178.14	3515.35	5262.16	967.93	1702.50	734.77	1425.77
Pulses	345.55	1748.81	222.14	1218.31	255.74	1656.03	136.72	1277.73
Tobacco unmanufactured	237.11	4782.74	219.57	4162.71	215.32	4373.45	204.45	4249.85
Tobacco manufactured	-	1351.72	-	1705.88	-	2078.91	-	2174.12
Spices	896.57	15146.36	939.01	14847.74	831.68	16630.15	1014.45	19111.25
Cashew	120.74	5095.49	134.57	5565.85	103.13	5027.99	91.79	5278.61
Cashew nut shell liquid	9.48	38.61	10.94	55.81	11.68	57.59	11.40	43.99
Sesame seeds	257.44	3583.46	375.66	4717.77	328.46	3012.31	307.33	2695.84
Niger seeds	20.84	113.61	18.16	108.96	14.12	123.27	14.07	117.22
Groundnut	509.75	3187.66	788.31	4675.37	542.73	4075.63	725.71	5444.33
Other oil seeds	194.46	945.53	247.54	1135.36	204.62	964.47	193.27	846.58
Vegetable oils	23.01	324.82	423.72	580.13	30.60	522.94	60.47	779.97
Oil meals	6576.51	17070.13	3904.59	8129.18	2056.36	3599.56	2632.26	5410.10
Guargam meal	601.97	11735.39	665.11	9478.26	325.25	3233.87	419.95	3106.62

(Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)
Oil meals	4671.14	7831.79	6945.17	11069.58	7405.19	11796.46	6578.17	16519.53
Guar gum meal	217.41	1133.31	421.43	2938.70	702.73	16523.87	406.32	21287.00
Castor oil	397.99	2179.28	424.46	2982.92	492.63	4571.67	565.99	4309.82
Shellac	4.04	71.30	4.33	140.07	4.34	256.79	3.60	401.74
Sugar	44.74	110.21	1733.87	5472.79	2749.43	8766.78	2793.78	8576.32
Mollases	31.10	19.77	371.93	214.09	384.13	204.33	342.15	223.03
Fruits / vegetable seeds	8.43	145.08	11.62	184.92	15.21	287.76	17.17	347.72
Fresh fruits	475.76	1524.21	446.76	1355.19	488.00	1937.22	534.62	2686.57
Fresh vegetables	2032.40	3014.32	1660.25	2620.48	2040.45	3023.31	2343.88	3407.19
Processed vegetables	-	743.12	-	747.92	-	1043.72	-	1102.56
Processed fruits and juices	-	1904.18	-	1859.96	-	2277.04	-	2577.32
Cereal preparations	172.20	1030.09	213.58	1264.15	299.62	1888.62	292.69	2240.76
Cocoa products	5.86	96.99	9.08	126.97	16.68	175.98	19.08	293.92
Milled products	72.74	153.63	99.10	197.06	171.12	358.92	273.55	603.61
Misc processed items	-	838.19	-	1065.48	-	1434.17	-	1853.98
Animal casings	1.72	32.82	1.80	33.24	1.01	33.98	0.65	21.46
Buffalo meat	490.40	5481.43	726.66	8613.31	984.96	13741.11	1076.10	17408.99
Sheep/goat meat	53.07	745.94	12.30	258.83	10.94	252.83	15.29	426.47
Other meat	1.17	10.75	1.03	9.51	0.32	3.67	0.19	2.33

(Contd.)

Commodity	2013-14		2014-15		2015-16 (P)		2016-17 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)	Quantity (16)	Value (17)
(1) Castor oil	544.80	4364.33	566.46	4710.42	586.78	4616.10	599.20	4521.51
Shellac	7.75	514.03	5.24	267.47	6.39	203.31	6.06	225.53
Sugar	2477.64	7178.50	1955.19	5328.83	3844.45	9824.52	2544.01	8659.54
Mollases	211.65	147.29	247.61	193.01	818.57	656.81	390.67	314.94
Fruits / vegetable seeds	19.34	416.58	12.50	427.04	13.10	529.19	11.29	522.75
Fresh fruits	525.22	3645.62	539.23	3160.08	654.66	4191.24	817.06	4974.21
Fresh vegetables	2291.75	5384.47	2081.80	4666.45	2104.36	5237.10	3404.07	5790.71
Processed vegetables	-	1288.86	186.04	1721.89	174.43	1697.21	192.86	1765.75
Processed fruits and juices	-	3332.05	588.38	3626.86	532.28	3766.99	533.15	3921.08
Cereal preparations	319.55	2856.26	313.67	3036.64	316.54	3358.11	339.95	3565.55
Cocoa products	16.23	573.22	33.37	848.66	32.65	1267.61	25.65	1086.77
Milled products	419.26	1008.00	420.85	1030.61	431.46	1102.73	255.80	813.54
Misc processed items	-	2531.48	-	2772.44	-	2907.81	-	3053.79
Animal casings	0.35	28.46	0.26	19.33	0.21	17.02	0.17	13.84
Buffalo meat	1365.64	26457.82	1503.51	29282.58	1314.22	26684.22	1323.58	26161.38
Sheep/goat meat	22.61	694.12	23.61	828.11	21.95	837.76	22.01	869.84
Other meat	0.27	3.40	0.26	2.67	0.00	0.00	-	0.21
Processed meat	0.51	7.68	0.41	14.20	0.28	6.16	-	4.58
Dairy products	-	4407.78	104.17	2169.03	77.52	1677.32	90.35	1701.18

(Contd.)

Commodity	2009-10		2010-11		2011-12		2012-13	
	Quantity (2)	Value (3)	Quantity (4)	Value (5)	Quantity (6)	Value (7)	Quantity (8)	Value (9)
Processed meat	0.67	8.79	0.92	13.96	0.58	9.50	0.80	9.37
Dairy products	-	796.99	-	1216.76	-	647.79	-	2324.68
Poultry products	-	372.53	-	314.33	-	458.05	-	494.93
Floriculture products	-	294.46	-	296.04	-	365.32	-	423.45
Alcoholic beverages	-	584.87	-	819.86	-	1469.07	-	1932.45
Marine products	698.45	9899.98	785.07	11917.11	902.41	16584.71	965.10	18841.20
Ayush and herbal products	59.05	1247.05	70.58	1346.99	73.77	1696.97	84.49	2120.36
Jute, raw	48.32	54.40	36.02	128.33	28.11	80.92	33.80	95.67
Jute hessian	-	307.63	-	722.87	-	945.83	-	876.68
Cotton raw incld. Waste	-	9537.08	-	13162.42	-	21624.24	-	20276.51
Total Agricultural Exports	-	86171.10	-	113046.58	-	182801.00	-	227192.61
Total National Exports	-	845533.64	-	1136964.22	-	1465959.31	-	1634318.29
% Share of Agricultural Exports in National Exports	-	10.19	-	9.94	-	12.47	-	13.90

Commodity	2013-14		2014-15		2015-16 (P)		2016-17 (P)	
	Quantity (10)	Value (11)	Quantity (12)	Value (13)	Quantity (14)	Value (15)	Quantity (16)	Value (17)
Poultry products	-	566.80	-	651.19	-	768.72	-	530.44
Floriculture products	-	455.90	22.95	460.80	22.69	483.41	22.02	546.71
Alcoholic beverages	-	2429.67	-	2264.89	-	2030.92	232.18	2004.79
Marine products	1000.82	30627.28	1231.81	33688.38	978.03	31219.43	1185.27	39593.78
Ayush and herbal products	76.72	2208.55	92.06	2169.49	95.88	2385.49	83.36	2693.57
Jute, raw	44.02	113.35	37.39	119.20	25.11	113.58	18.18	76.63
Jute bessian	-	859.59	-	770.08	-	824.89	-	927.32
Cotton raw incld. Waste	1947.70	22337.84	1142.53	11642.64	1347.07	12821.13	996.09	10907.32
Total Agricultural Imports	-	262778.54	-	239681.04	-	215395.68	-	226651.94
Total National Imports	-	1905011.00	-	1896445.47	-	1716378.05	-	1849428.76
% Share of Agricultural Import in National Imports	-	13.79	-	12.64	-	12.55	-	12.26

Source:- Directorate General of Commercial Intelligence & Statistics, D/o Commerce, Kolkata.

(P) - Provisional

Note: Commodities covered under agriculture sector have been revised after inter-Departmental consultation.

Table 12.4 : Tariffs and Bound Rates on Major Agricultural Commodities / Groups

(As on 22.12.2016)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
I. Cereals and Pulses			
1	Pulses	NIL	100
2	Wheat	NIL	100
3	Maize (Corn) seed	50	70
4	Rice in the husk	80	80
5	Husked (brown) rice; broken rice	80	80
6	Semi-milled or wholly milled rice whether or not polished	70	70
7	Millet, Jowar	50	70
8	Sorghum	50	80
9	Buck wheat	NIL	100
10	Other cereals (rye, barley etc.)	NIL	100
II. Cereals Products			
1	Atta	30	150
2	Maida	30	150
3	Sooji	30	150
4	Wheat and potato starch	30	35
5	Flour, meal and powder of dried leguminous vegetables including sago, tamarind and mango	30	150
6	Other starches	30	100
7	Roasted malt	30	100
8	Unroasted malt	30	40
III Dairy Products			
1	Fresh milk and cream	30	100
2	Butter and melted butter (ghee)	30/40	40
3	Cheese	30	40
4	Milk powder*	Nil	60
5	Yoghurt	30	150
IV Plantation Crops			
1	Tea	100	100
2	Coffee	100	100
3	Coconut	70	100
4	Copra	70	100
5	Cassia and cinnamon	30	100
6	Cloves	35	100

(Contd.)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
7	Other Spices	30/70	150/100
V. Meat & Poultry			
1	Chicken sausages	100	150
2	Chicken leg (processed)	100	-
3	Meat of chicken, not cut in pieces	30	100
4	Meat of bovine animals, fresh or chilled	30	100
5	Other meat and offal	30	100
6	Processed hams	30	-
7	Fish	30	-
VI. Raw/ White/ Refined Sugar			
		40	150
VII. Horticulture			
1	Apples	50	50
2	Grapefruit	25	25
3	Strawberries, dried apricots etc.	30	100
4	Banana	30	100
5	Pears and Quinces (fresh)	30	35
6	Oranges; lemons and limes; fresh grapes	30	40
7	Fresh pomegranates, lichi, tamarind (fresh), custard apple	15	30
8	Garlic	100	100
9	Onions & Shallots	NIL	100
10	Mushrooms	30	100
11	Potato (fresh or chilled)	30	100
12	Sweet Potato	30	150
13	Frozen vegetables-peas, beans, spinach, sweet corn etc.	30	150
14	Other edible roots and tubers with high starch or insulin content, fresh or chilled (cassava)	30	150
15	Other vegetables (mixture of vegetables)	30	35
16	Arecanut	30	100
17	Hop cones (ground, powdered or in pellets)	30	75
18	Hop cones (other than ground, powdered or in pellets)	30	100
19	Betel leaves	30	100
20	Planting materials of oilseeds	-	-
21	Oilseeds, misc grains, seeds of fruits, industrial or medicinal plants (other than the kind used for sowing and hop cones)	30	100

(Contd.)

S. No	Item description	Basic Customs duty (%)	Bound duty (%)
(1)	(2)	(3)	(4)
22	Basil, hyasop, rosemary, sage, savory, comboge fruit rind	15	100
23	Apricot, peach, cherries	30	100
24	Seeds of a kind used for sowing (other than vegetable seeds)	15	100
25	Vegetable seeds	5	10
26	Oil-cake and oil-cake meal solvent extracted (defatted) varieties of coconut/copra [*] oil-cake and oil-cake meal expeller variety of conconut/ copra.other residue of coconut/ copra	15	100
VIII. Edible Oils (Crude)			
1	Soyabean Oil	12.5	45
2	Palm Oil	7.5	300
3	Groundnut Oil	12.5	300
4	Sunflower/ Safflower	12.5	300
5	Coconut Oil	12.5	300
6	Rapeseed Oil	12.5	75
7	Colza or Mustard Oil	12.5	75
8	Castor Oil/ Tung Oil	12.5	300
9	Other Oils	12.5	300
10	Safflower	12.5	300
IX Edible Oils (Refined)			
1	Soyabean Oil	20	45
2	RBD Palmolein	20	300
3	Palm Oil	15	300
4	Groundnut Oil	20	300
5	Sunflower	20	300
6	Coconut Oil Edible grade	20	300
7	Coconut Oil Other	20	300
8	Rapeseed Oil	20	75
9	Colza or Mustard Oil	20	75
10	Castor Oil/ Tung Oil	20	300
11	Safflower	20	300
12	Other Oils edible grade	20	300

Source: Department of Revenue, Ministry of Finance.

* Milk in powder granules or other solid forms (skimmed milk powder) upto an aggregate of 30,000 MTs of total import of such goods in a financial year.

Table 12.5(a): Trends in Wholesale Price Index of Foodgrains (Base:2004-05=100)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
All Commodities	100.00	126.0	130.8	143.3	156.1	167.6	177.6	181.2	176.7	183.2
(A) Primary Articles	20.12	137.5	154.9	182.4	200.3	220.0	241.6	248.8	249.6	261.7
(B) Fuel & Power	14.91	135.0	132.1	148.3	169.0	186.5	205.4	203.5	179.8	189.9
(C) Manufactured Products	64.97	120.4	123.1	130.1	139.5	147.1	151.5	155.1	153.4	157.4
Foodgrains (Cereals+Pulses)	4.09	145.3	166.4	174.4	180.7	207.1	226.0	235.0	253.0	280.7
(a) Cereals	3.37	143.1	161.2	169.7	176.2	199.9	225.5	233.6	235.2	254.2
Rice	1.79	140.6	157.9	167.2	172.3	194.2	226.2	241.4	237.4	251.6
Wheat	1.12	147.6	166.5	171.4	168.3	194.4	212.3	211.7	219.4	241.7
Jowar	0.10	151.2	168.6	189.5	248.6	235.8	251.2	288.5	281.9	300.4
Bajra	0.12	139.2	168.1	175.6	193.2	233.5	256.9	250.7	260.8	303.7
Maize	0.22	139.1	153.3	168.9	205.6	234.0	251.2	241.7	256.8	278.2
Bartley	0.02	152.9	150.6	165.7	180.2	208.0	214.3	227.7	232.0	279.9
Ragi	0.02	134.9	174.7	173.8	204.9	278.3	337.3	327.5	330.0	402.8
(b) Pulses	0.72	155.8	190.8	196.9	201.8	241.3	228.0	241.4	336.7	405.5
Gram	0.33	153.8	152.2	150.0	193.8	266.3	217.3	198.0	279.8	441.7
Arhar	0.14	144.3	214.7	205.1	183.2	199.4	212.3	230.8	357.9	334.4
Moong	0.08	150.4	233.8	280.4	244.4	259.5	295.9	358.0	404.5	337.7
Masur	0.06	196.2	228.2	194.5	162.8	193.9	217.2	265.4	337.2	307.7
Urad	0.10	159.8	228.4	271.8	240.0	227.7	234.3	288.3	438.0	493.7
(c) Sugar, Khandsari and Gur	2.09	106.8	161.9	160.5	167.7	185.7	183.0	182.7	167.1	207.5
Sugar	1.74	108.5	166.8	165.0	173.4	193.1	188.4	187.8	171.1	216.7
Gur	0.08	127.2	195.4	197.2	197.2	217.1	220.1	216.9	208.0	240.4
Khandsari	0.06	106.8	155.9	159.9	170.9	183.7	182.0	182.3	174.0	201.7
Food Articles	14.34	134.8	155.4	179.6	192.7	211.8	238.9	253.4	262.1	275.4
Non-Food Articles	4.26	129.2	136.2	166.6	182.7	201.9	213.2	212.1	219.5	230.0

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

Table 12.5(b): Growth Rate of Wholesale Price Index of Foodgrains (Base: 2004-05=100)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
All Commodities	100.00	8.1	3.8	9.6	8.9	7.4	6.0	2.0	-2.5	3.7
(A) Primary Articles	20.12	11.0	12.7	17.7	9.8	9.8	9.8	3.0	0.3	4.8
(B) Fuel & Power	14.91	11.6	-2.1	12.3	14.0	10.3	10.2	-0.9	-11.7	5.6
(C) Manufactured Products	64.97	6.2	2.2	5.7	7.3	5.4	3.0	2.4	-1.1	2.6
Foodgrains (Cereals+Pulses)	4.09	11.0	14.5	4.9	3.6	14.6	9.1	4.0	7.7	10.9
(a) Cereals	3.37	11.9	12.6	5.3	3.9	13.4	12.8	3.6	0.7	8.1
Rice	1.79	14.8	12.3	5.9	3.1	12.7	16.5	6.7	-1.7	6.0
Wheat	1.12	9.9	12.8	3.0	-1.8	15.5	9.2	-0.3	3.7	10.2
Jowar	0.10	2.2	11.5	12.4	31.1	-5.1	6.5	14.9	-2.3	6.6
Bajra	0.12	8.7	20.8	4.5	10.0	20.8	10.0	-2.4	4.0	16.5
Maize	0.22	6.8	10.2	10.2	21.7	13.8	7.4	-3.8	6.2	8.3
Barley	0.02	11.9	-1.5	10.0	8.8	15.5	3.0	6.2	1.9	20.6
Ragi	0.02	9.4	29.5	-0.5	17.9	35.8	21.2	-2.9	0.7	22.0
(b) Pulses	0.72	7.5	22.4	3.2	2.5	19.6	-5.5	5.9	39.5	20.4
Gram	0.33	3.2	-1.1	-1.4	29.2	37.4	-18.4	-8.9	41.3	57.9
Arhar	0.14	14.4	48.8	-4.5	-10.7	8.8	6.5	8.7	55.1	-6.6
Moong	0.08	6.5	55.4	19.9	-12.8	6.2	14.0	21.0	13.0	-16.5
Masur	0.06	34.7	16.3	-14.8	-16.3	19.1	12.0	22.2	27.1	-8.8
Urad	0.10	0.0	43.0	19.0	-11.7	-5.1	2.9	23.0	51.9	12.7
(c) Sugar, Khandhari and Gur	2.09	17.5	51.6	-0.9	4.5	10.7	-1.5	-0.1	-8.5	24.2
Sugar	1.74	16.2	53.7	-1.1	5.1	11.3	-2.4	-0.3	-8.9	26.6
Gur	0.08	32.9	53.6	0.9	0.0	10.1	1.3	-1.5	-4.1	15.6
Khandhari	0.06	18.3	46.0	2.6	6.9	7.5	-0.9	0.2	-4.6	15.9
Food Articles	14.34	9.1	15.3	15.6	7.3	9.9	12.8	6.1	3.4	5.1
Non-Food Articles	4.26	12.9	5.5	22.3	9.6	10.5	5.6	-0.5	3.5	4.8

(Figures in Percentage)

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

Table 12.6(a): Trends in Wholesale Price Index of Commercial Crops (Base: 2004-05=100)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. Oil Seeds	1.78	131.2	135.0	141.3	158.8	198.0	202.6	208.9	214.9	217.3
Groundnut Seed	0.40	144.3	148.0	164.8	200.0	246.9	219.1	210.3	246.2	264.9
Rape & Mustard Seed	0.34	144.4	139.2	135.1	149.8	202.7	189.3	193.9	225.0	231.0
Cotton Seed	0.21	126.0	132.3	132.8	143.4	162.1	177.6	172.8	196.7	227.7
Copra (Coconut)	0.25	82.7	70.6	92.9	112.9	92.4	117.4	186.2	147.4	124.9
Gingelly Seed (Sesamum)	0.07	166.1	233.5	247.5	203.8	312.4	417.5	425.5	312.5	312.4
Niger Seed	0.01	228.1	169.1	143.6	167.1	192.3	174.2	199.1	334.3	325.2
Safflower (Kardi Seed)	0.01	120.5	122.2	134.6	138.4	149.5	158.0	136.0	151.9	160.1
Sunflower	0.08	130.9	124.7	140.8	162.7	181.7	193.8	183.3	194.5	180.4
Soyabean	0.37	129.8	141.2	128.4	140.8	211.9	226.3	216.5	210.0	196.4
a1 Edible Oils	3.04	121.6	114.4	120.6	135.7	148.1	147.0	145.0	148.6	156.0
Gingelly Oil	0.05	129.5	127.9	134.2	146.4	171.3	183.1	178.5	165.3	185.0
Mustard & Rapeseed Oil	0.45	122.4	115.3	116.3	135.9	154.2	154.0	157.5	180.4	182.5
Copra Oil	0.10	99.9	94.6	100.1	119.9	114.4	121.2	139.8	149.0	140.3
Groundnut Oil	0.30	131.2	127.8	145.3	163.8	192.6	181.6	167.3	192.3	214.4
Cotton Seed Oil	0.26	142.7	118.1	124.3	149.5	175.5	176.8	175.7	184.9	198.2
Sunflower Oil	0.17	124.1	113.2	120.4	132.0	138.0	131.8	124.9	131.1	133.5
Soyabean Oil	0.38	126.2	117.6	125.6	147.2	162.2	159.2	153.5	148.8	156.7

(Contd.)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
B. Fruits and Vegetables	3.84	134.9	147.8	172.1	183.2	198.4	244.3	257.3	254.0	255.2
b1. Vegetables	1.74	141.9	161.8	182.8	179.3	210.1	294.5	276.6	268.5	252.0
Potato	0.20	110.3	206.2	132.0	129.0	207.0	220.1	297.2	164.1	227.1
Onion	0.18	177.8	204.3	259.6	186.7	232.5	482.2	333.7	447.3	247.1
b2. FRUITS	2.11	129.1	136.2	163.2	186.4	188.8	202.9	241.5	242.0	257.8
Banana	0.34	132.5	146.6	163.0	173.4	210.5	246.6	288.2	265.5	298.9
Apple	0.10	134.7	171.2	173.6	220.4	241.4	228.6	240.1	234.5	271.8
Orange	0.13	138.3	148.6	185.3	237.4	228.3	208.9	237.7	219.6	234.3
C. Condiments & Spices	0.57	151.2	182.7	244.0	237.5	209.5	245.6	298.8	342.6	348.1
Black Pepper	0.03	180.8	186.3	247.1	402.9	519.0	553.2	736.7	724.9	739.2
Chillies(Dry)	0.16	182.6	205.2	221.8	277.1	235.1	267.0	296.7	358.6	392.1
Turmeric	0.08	105.4	210.3	401.7	214.9	166.3	215.3	229.6	255.6	246.1
Raw Cotton	0.70	141.2	138.6	199.3	225.2	206.0	236.5	206.1	189.9	224.2
Raw Jute	0.06	137.9	160.5	210.7	222.5	242.4	261.9	288.1	403.5	447.9

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

Table 12.6(b): Growth Rate (Inflation) of Wholesale Price Index of Commercial Crops (Base: 2004-05=100)

Commodity	Weight (2)	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
		(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
A. Oil Seeds	1.78	15.9	2.9	4.7	12.3	24.7	2.3	3.1	2.9	1.1
Groundnut Seed	0.40	2.8	2.5	11.4	21.4	23.4	-11.3	-4.0	17.1	7.6
Rape & Mustard Seed	0.34	22.2	-3.6	-3.0	10.9	35.3	-6.6	2.5	16.0	2.7
Cotton Seed	0.21	12.2	5.0	0.4	8.0	13.1	9.5	-2.7	13.8	15.8
Copra (Coconut)	0.25	24.1	-14.6	31.6	21.5	-18.2	27.1	58.6	-20.8	-15.3
Gingelly Seed (Sesamum)	0.07	23.2	40.6	6.0	-17.7	53.3	33.7	1.9	-26.6	0.0
Niger Seed	0.01	23.7	-25.9	-15.1	16.4	15.1	-9.4	14.3	67.9	-2.7
Safflower (Kardi Seed)	0.01	16.9	1.4	10.2	2.8	8.1	5.7	-13.9	11.7	5.4
Sunflower	0.08	-0.9	-4.7	12.9	15.6	11.7	6.6	-5.4	6.1	-7.2
Soyabean	0.37	28.9	8.9	-9.1	9.7	50.5	6.8	-4.4	-3.0	-6.5
a1. EDIBLE OILS	3.04	4.8	-5.9	5.4	12.6	9.1	-0.8	-1.3	2.5	5.0
Gingelly Oil	0.05	14.2	-1.2	4.9	9.0	17.0	6.9	-2.5	-7.4	11.9
Mustard & Rapeseed Oil	0.45	12.0	-5.8	0.9	16.8	13.5	-0.1	2.3	14.6	1.2
Copra Oil	0.10	6.6	-5.3	5.8	19.8	-4.6	5.9	15.4	6.5	-5.8
Groundnut Oil	0.30	-1.8	-2.6	13.6	12.8	17.5	-5.7	-7.9	14.9	11.5
Cotton Seed Oil	0.26	7.4	-17.2	5.2	20.3	17.4	0.8	-0.6	5.2	7.2
Sunflower Oil	0.17	-0.8	-8.8	6.4	9.6	4.5	-4.5	-5.2	5.0	1.8
Soyabean Oil	0.38	6.3	-6.8	6.8	17.2	10.2	-1.9	-3.6	-3.0	5.3

(Contd.)

Commodity	Weight	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
B. Fruits & Vegetables	3.84	8.2	9.6	16.4	6.5	8.3	23.1	5.4	-1.3	0.5
b1. Vegetables	1.74	3.5	14.0	13.0	-2.0	17.2	40.2	-6.1	-2.9	-6.1
Potato	0.20	-24.9	87.0	-36.0	-2.3	60.5	6.3	35.1	-44.8	38.4
Onion	0.18	1.8	14.9	27.1	-28.1	24.6	107.4	-30.8	34.1	-44.8
b2. FRUITS	2.11	12.9	5.5	19.8	14.2	1.3	7.5	19.0	0.2	6.5
Banana	0.34	9.9	10.7	11.2	6.4	21.4	17.2	16.9	-7.9	12.6
Apple	0.10	8.1	27.1	1.4	27.0	9.5	-5.3	5.0	-2.3	15.9
Orange	0.13	21.8	7.5	24.7	28.1	-3.8	-8.5	13.8	-7.6	6.7
C. Condiments & Spices	0.57	5.8	20.8	33.6	-2.6	-11.8	17.2	21.7	14.6	1.6
Black Pepper	0.03	-2.1	3.0	32.7	63.1	28.8	6.6	33.2	-1.6	2.0
Chillies(Dry)	0.16	16.3	12.4	8.1	24.9	-15.2	13.6	11.1	20.9	9.4
Turmeric	0.08	27.4	99.5	91.0	-46.5	-22.6	29.4	6.6	11.3	-3.7
Raw Cotton	0.70	26.3	-1.9	43.9	13.0	-8.5	14.8	-12.9	-7.9	18.0
Raw Jute	0.06	12.6	16.4	31.3	5.6	8.9	8.1	10.0	40.1	11.0

Source: Office of the Economic Adviser, Ministry of Commerce & Industry.

13

Land Use Statistics

Table 13.1: Agricultural Land by use in India

S. No.	(2)	Classification	(Million Hectares)									
			(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	284.32	298.46	303.75	304.16	304.86	305.19	305.13	305.36	305.57	305.59	305.59
	1. Forest	40.48	54.05	63.83	67.46	67.81	69.84	69.72	69.82	69.97	69.96	69.96
	%	14.24	18.11	21.01	22.18	22.24	22.88	22.85	22.87	22.90	22.89	22.89
	2. Not Available for Cultivation (A+B)	47.52	50.75	44.61	39.55	40.48	41.23	41.33	41.64	41.98	42.23	42.23
	(A) Area Under Non-agricultural Uses	9.36	14.84	16.48	19.60	21.09	23.75	23.91	24.12	24.52	24.76	24.76
	%	3.29	4.97	5.42	6.44	6.92	7.78	7.84	7.90	8.02	8.10	8.10
	(B) Barren & Un-culturable Land	38.16	35.91	28.13	19.96	19.39	17.48	17.41	17.52	17.47	17.47	17.47
	%	13.42	12.03	9.26	6.56	6.36	5.73	5.71	5.74	5.72	5.72	5.72
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	49.45	37.64	35.13	32.31	30.22	27.74	27.49	27.53	27.11	27.09	27.09
	(A) Permanent Pasture & other Grazing Land	6.68	13.97	13.26	11.99	11.40	10.66	10.53	10.45	10.48	10.45	10.45
	%	2.35	4.68	4.37	3.94	3.74	3.49	3.45	3.42	3.43	3.42	3.42
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	19.83	4.46	4.37	3.58	3.82	3.44	3.44	3.43	3.38	3.36	3.36
	%	6.97	1.49	1.44	1.18	1.25	1.13	1.13	1.12	1.11	1.10	1.10
	(C) Culturable Waste Land	22.94	19.21	17.50	16.74	15.00	13.63	13.52	13.65	13.24	13.27	13.27
	%	8.07	6.44	5.76	5.51	4.92	4.47	4.43	4.47	4.33	4.34	4.34

(Contd.)

S. No.	Classification	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
I.	Geographical Area	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73	328.73
II.	Reporting Area for Land Utilisation Statistics (1 to 5)	306.88	307.09	307.23	307.41	307.41	307.48	307.39	307.49	307.80	307.82
	1. Forest	71.43	71.46	71.53	71.54	71.56	71.59	71.60	71.57	71.83	71.79
	%	23.28	23.27	23.28	23.27	23.28	23.28	23.29	23.28	23.34	23.32
	2. Not Available for Cultivation (A+B)	42.32	42.73	42.90	43.06	43.33	43.58	43.53	43.58	43.86	43.88
	(A) Area Under Non-agricultural Uses	24.99	25.45	25.88	26.21	26.16	26.40	26.31	26.50	26.91	26.88
	%	8.14	8.29	8.42	8.53	8.51	8.59	8.56	8.62	8.74	8.73
	(B) Barren & Un-culturable Land	17.33	17.29	17.02	16.85	17.18	17.18	17.22	17.07	16.95	17.00
	%	5.65	5.63	5.54	5.48	5.59	5.59	5.60	5.55	5.51	5.52
	3. Other Uncultivated land excluding Fallow Land (A+B+C)	27.06	27.04	26.81	26.42	26.50	26.15	26.11	26.08	25.83	25.83
	(A) Permanent Pasture & other Grazing Land	10.44	10.42	10.36	10.34	10.34	10.30	10.31	10.26	10.26	10.26
	%	3.40	3.39	3.37	3.37	3.36	3.35	3.36	3.34	3.33	3.33
	(B) Land under Miscellaneous Tree Crops & Groves not included in Net Area Sown	3.39	3.35	3.40	3.34	3.21	3.20	3.16	3.18	3.19	3.10
	%	1.10	1.09	1.11	1.09	1.05	1.04	1.03	1.03	1.04	1.01
	(C) Culturable Waste Land	13.22	13.27	13.04	12.73	12.95	12.65	12.64	12.64	12.39	12.47
	%	4.31	4.32	4.25	4.14	4.21	4.11	4.11	4.11	4.02	4.05

(Contd.)

S. No.	Classification	1950-51	1960-61	1970-71	1980-81	1990-91	2000-01	2001-02	2002-03	2003-04	2004-05
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
4.	Fallow Lands (A+B)	28.12	22.82	19.33	24.55	23.37	25.04	25.86	34.43	25.80	25.67
	(A) Fallow Lands other than Current Fallows	17.45	11.18	8.73	9.72	9.66	10.27	10.51	11.97	11.31	10.88
	%	6.14	3.75	2.87	3.20	3.17	3.36	3.45	3.92	3.70	3.56
	(B) Current Fallows	10.68	11.64	10.60	14.83	13.70	14.78	15.34	22.46	14.49	14.79
	%	3.76	3.90	3.49	4.88	4.49	4.84	5.03	7.36	4.74	4.84
5.	Net Area Sown (6-7)	118.75	133.20	140.86	140.29	142.87	141.34	140.73	131.94	140.71	140.64
	%	41.77	44.63	46.37	46.12	46.86	46.31	46.12	43.21	46.05	46.02
6.	Total Cropped Area (Gross Cropped Area)	131.89	152.77	165.79	172.63	185.74	185.34	188.01	173.89	189.66	191.10
7.	Area Sown more than once	13.15	19.57	24.93	34.63	42.87	44.00	47.28	41.95	48.95	50.46
8.	Cropping Intensity*	111.07	114.69	117.70	123.05	130.01	131.13	133.60	131.79	134.79	135.88
III.	Net Irrigated Area	20.85	24.66	31.10	38.72	48.02	55.20	56.94	53.90	57.10	59.23
IV.	Gross Irrigated Area	22.56	27.98	38.20	49.78	63.20	76.19	78.37	73.06	78.00	81.08

(Contd.)

S. No.	Classification	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15
(1)	(2)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
4.	Fallow Lands (A+B)	24.91	26.03	24.98	24.48	26.85	24.60	25.18	26.32	24.85	26.18
(A)	Fallow Lands other than Current Fallows	10.70	10.52	10.33	10.29	10.84	10.32	10.67	11.04	10.69	11.09
%		3.49	3.42	3.36	3.35	3.53	3.36	3.47	3.59	3.47	3.60
(B)	Current Fallows	14.21	15.51	14.65	14.19	16.01	14.28	14.51	15.29	14.15	15.09
%		4.63	5.05	4.77	4.62	5.21	4.64	4.72	4.97	4.60	4.90
5.	Net Area Sown (6-7)	141.16	139.82	141.02	141.90	139.17	141.56	140.98	139.94	141.43	140.13
%		46.00	45.53	45.90	46.16	45.27	46.04	45.86	45.51	45.95	45.52
6.	Total Cropped Area (Gross Cropped Area)	192.74	192.38	195.22	195.33	189.19	197.68	195.80	194.25	200.95	198.36
7.	Area Sown more than once	51.57	52.56	54.21	53.43	50.02	56.12	54.82	54.31	59.52	58.23
8.	Cropping Intensity*	136.54	137.59	138.44	137.65	135.94	139.64	138.88	138.81	142.09	141.55
III.	Net Irrigated Area	60.84	62.74	63.19	63.64	61.94	63.67	65.71	66.29	68.12	68.38
IV.	Gross Irrigated Area	84.28	86.75	88.06	88.90	85.09	88.94	91.79	92.25	95.77	96.46

Source: Directorate of Economics & Statistics, DAC&FW.

Note:

1: Percentages worked out over Reported Area.

2: In 2009-10 there is significant decline in Total Cropped Area and Net Area Sown due to decline in net area sown in the States of Andhra Pradesh, Bihar, Jharkhand, Rajasthan, Tamil Nadu, Uttar Pradesh and West Bengal. This was mainly due to deficient rainfall.

P: Provisional

* Cropping Intensity is percentage of the gross cropped area to the net area sown.

Table 13.2: Selected Categories of Land Use

(Million Hectares)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1950-51	118.75	131.89	13.15	20.85	22.56	1.71
1951-52	119.40	133.23	13.83	21.05	23.18	2.13
1952-53	123.44	137.68	14.23	21.12	23.31	2.18
1953-54	126.81	142.48	15.67	21.87	24.36	2.49
1954-55	127.85	144.09	16.24	22.09	24.95	2.86
1955-56	129.16	147.31	18.16	22.76	25.64	2.88
1956-57	130.85	149.49	18.64	22.53	25.71	3.17
1957-58	129.08	145.83	16.75	23.16	26.63	3.47
1958-59	131.83	151.63	19.80	23.40	26.95	3.55
1959-60	132.94	152.82	19.89	24.04	27.45	3.42
1960-61	133.20	152.77	19.57	24.66	27.98	3.32
1961-62	135.40	156.21	20.81	24.88	28.46	3.58
1962-63	136.34	156.76	20.42	25.67	29.45	3.79
1963-64	136.48	156.96	20.48	25.89	29.71	3.82
1964-65	138.12	159.23	21.11	26.60	30.71	4.11
1965-66	136.20	155.28	19.08	26.34	30.90	4.56
1966-67	137.23	157.36	20.12	26.91	32.68	5.78
1967-68	139.88	163.74	23.86	27.19	33.21	6.01
1968-69	137.31	159.53	22.22	29.01	35.48	6.47
1969-70	138.70	162.27	23.57	30.20	36.97	6.78
1970-71	140.86	165.79	24.93	31.10	38.20	7.09
1971-72	139.72	165.19	25.47	31.55	38.43	6.88
1972-73	137.14	162.15	25.01	31.83	39.06	7.22
1973-74	142.42	169.87	27.46	32.55	40.28	7.74
1974-75	137.79	164.19	26.40	33.71	41.74	8.03
1975-76	141.65	171.30	29.64	34.59	43.36	8.77
1976-77	139.48	167.33	27.86	35.15	43.55	8.40
1977-78	141.95	172.23	30.28	36.55	46.08	9.53
1978-79	142.98	174.80	31.82	38.06	48.31	10.25
1979-80	138.90	169.59	30.69	38.52	49.21	10.69
1980-81	140.29	172.63	32.34	38.72	49.78	11.06
1981-82	142.12	176.75	34.63	40.50	51.41	10.91
1982-83	140.81	172.75	31.94	40.69	51.83	11.14
1983-84	143.21	179.56	36.35	41.95	53.82	11.88

(Contd.)

Year	Net area sown	Total cropped area	Area sown more than once (3-2)	Net Irrigated Area	Gross Irrigated Area	Area Irrigated more than once (6-5)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1984-85	140.90	176.33	35.43	42.15	54.53	12.38
1985-86	140.90	178.46	37.56	41.87	54.28	12.42
1986-87	139.58	176.41	36.83	42.57	55.76	13.19
1987-88	134.09	170.74	36.65	42.89	56.04	13.14
1988-89	141.89	182.28	40.39	46.15	61.13	14.98
1989-90	142.34	182.27	39.93	46.70	61.85	15.15
1990-91	143.00	185.74	42.74	48.02	63.20	15.18
1991-92	141.63	182.24	40.61	49.87	65.68	15.81
1992-93	142.72	185.70	42.98	50.29	66.76	16.47
1993-94	142.34	186.58	44.25	51.34	68.26	16.92
1994-95	142.96	188.05	45.09	53.00	70.65	17.65
1995-96	142.20	187.47	45.27	53.40	71.35	17.95
1996-97	142.93	189.50	46.57	55.11	76.03	20.91
1997-98	141.95	189.99	48.04	55.21	75.67	20.46
1998-99	142.75	191.65	48.90	57.44	78.67	21.23
1999-00	141.06	188.40	47.33	57.53	79.22	21.69
2000-01	141.34	185.34	44.00	55.20	76.19	20.98
2001-02	140.73	188.01	47.28	56.94	78.37	21.44
2002-03	131.94	173.89	41.95	53.90	73.06	19.16
2003-04	140.71	189.66	48.95	57.06	78.04	20.98
2004-05	140.64	191.10	50.46	59.23	81.08	21.85
2005-06	141.16	192.74	51.57	60.84	84.28	23.44
2006-07	139.82	192.38	52.56	62.74	86.75	24.01
2007-08	141.02	195.22	54.21	63.19	88.06	24.87
2008-09 (P)	141.90	195.33	53.43	63.64	88.90	25.26
2009-10 (P)	139.17	189.19	50.02	61.94	85.09	23.14
2010-11 (P)	141.56	197.68	56.12	63.67	88.94	25.27
2011-12 (P)	140.98	195.80	54.82	65.71	91.79	26.08
2012-13 (P)	139.94	194.25	54.31	66.29	92.25	25.96
2013-14 (P)	141.43	200.95	59.52	68.12	95.77	27.66
2014-15 (P)	140.13	198.36	58.23	68.38	96.46	28.07

P: Provisional

Source: Directorate of Economics & Statistics, DAC&FW

Table 13.3 : Gross Cropped Area Percentage Distribution

Crop	Percentage Share of Area to Gross Cropped Area		
	2012-13 (P)	2013-14 (P)	2014-15 (P)
(1)	(3)	(4)	(5)
Rice	22.00	22.12	22.30
Jowar	3.25	2.86	3.15
Bajra	3.95	4.03	3.96
Maize	4.42	4.49	4.43
Ragi	0.58	0.60	0.60
Wheat	15.70	15.62	16.17
Barley	0.36	0.34	0.37
Other Cereals & Millets	0.41	0.36	0.35
Coarse Cereals	12.96	12.69	12.86
Total Cereals	50.66	50.43	51.33
Gram	4.11	4.68	3.86
Tur	1.80	1.76	1.71
Other Pulses	5.41	5.40	5.37
Total Pulses	11.32	11.83	10.94
Total Food-grains	61.97	62.26	62.27
Sugarcane	2.80	2.75	2.81
Condiments & Spices	1.69	1.65	1.74
Total Fruits	2.12	2.07	2.11
Potatoes	0.85	0.84	0.89
Onions	0.27	0.30	0.33
Total Vegetables	2.82	2.81	2.92
Groundnut	2.68	2.70	2.57
Sesamum	0.92	0.84	0.93
Rapeseed & Mustard	3.07	3.01	2.72
Linseed	0.12	0.11	0.11
Other Oil Seeds	8.15	8.31	7.99
Total Oil Seeds	14.94	14.98	14.33
Cotton	6.12	5.93	6.38
Jute	0.40	0.38	0.38
Mesta	0.04	0.03	0.04
Total Fibers	6.58	6.37	6.82
Tobacco	0.22	0.23	0.24
Other Crops	6.85	6.89	6.76
Gross Cropped Area	100.00	100.00	100.00

Source: Directorate of Economics & Statistics, DAC&FW.

P: Provisional

Table 13.4 : State-wise Percent Coverage of Irrigated Area under Principal Crops during 2014-15 (Provisional)

State/Union Territory	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total pulses	Total Food-grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Andhra Pradesh	97.1	30.4	31.3	76.2	15.0	-	89.5	1.0	1.1	2.0	66.5
Arunachal Pradesh	20.6	-	-	-	52.9	-	20.9	-	-	-	20.9
Assam	11.0	0.0	-	2.7	10.9	0.0	10.9	0.0	0.0	1.7	10.4
Bihar	65.0	14.3	0.0	64.3	94.9	51.4	75.2	3.6	1.8	4.5	69.8
Chhattisgarh	35.7	0.1	0.0	10.0	75.7	5.0	34.9	41.2	0.1	15.0	31.6
Goa	33.7	-	-	-	-	-	33.7	-	-	97.6	44.5
Gujarat**	61.5	19.8	22.3	12.5	90.8	46.9	52.5	43.8	7.5	13.1	45.4
Haryana	99.9	80.0	41.6	32.7	99.5	94.1	94.0	10.2	85.0	20.7	92.7
Himachal Pradesh **	66.1	-	51.5	10.5	21.8	14.2	21.4	9.6	37.3	12.3	21.0
Jammu & Kashmir**	90.5	-	4.1	9.4	28.5	13.1	40.9	12.7	-	13.5	40.2
Jharkhand	5.0	0.0	0.0	2.6	90.9	24.3	9.4	4.7	0.1	3.9	8.8
Karnataka	76.0	10.4	11.2	34.4	60.9	-	36.2	14.8	5.5	8.6	27.3
Kerala	76.1	0.0	-	0.0	0.0	-	75.9	0.0	0.0	0.0	74.6
Madhya Pradesh	34.2	0.8	0.1	3.5	93.4	65.5	67.2	63.3	1.4	42.8	59.7
Maharashtra**	26.1	9.5	5.0	12.7	73.9	0.0	21.0	24.3	1.6	10.9	18.0
Manipur**	30.7	-	-	0.0	0.0	-	27.3	0.0	0.0	0.0	24.4
Meghalaya	90.7	-	-	0.0	100.0	-	76.3	0.0	0.0	0.0	71.9
Mizoram	72.5	-	-	0.0	-	-	58.2	-	0.0	94.3	63.0
Nagaland	51.7	0.0	0.0	0.7	17.2	0.0	36.5	11.1	0.0	2.6	32.5
Orissa	33.3	-	-	2.6	100.0	-	32.0	-	-	2.2	29.0

(Contd.)

State/Union Territory	Sugar-cane	Groundnut	Rape-seed & Mustard	Soyabean	Sun-flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Andhra Pradesh	92.4	10.8	0.0	34.6	39.8	18.7	19.9	31.2	50.5
Arunachal Pradesh	0.0	-	-	-	-	0.0	-	-	18.7
Assam	1.5	0.0	0.0	-	0.0	2.5	0.0	0.0	9.2
Bihar	79.3	22.5	63.7	-	91.5	57.2	-	88.1	68.7
Chhattisgarh	98.9	12.2	9.1	1.6	97.5	4.5	57.6	97.0	31.2
Goa	100.0	84.1	-	-	-	16.5	-	-	24.6
Gujarat**	94.5	12.4	95.3	0.0	-	29.8	58.7	100.0	47.1
Haryana	100.0	96.4	82.9	-	100.0	83.1	99.8	100.0	89.1
Himachal Pradesh **	54.1	12.2	12.9	32.1	-	16.4	100.0	-	21.0
Jammu & Kashmir**	40.9	0.0	74.6	-	-	69.7	-	0.0	42.8
Jharkhand	68.3	0.0	54.1	-	0.0	23.2	150.0	-	14.3
Karnataka	99.4	30.1	5.0	6.5	24.2	29.9	27.2	7.2	34.2
Kerala	99.9	0.0	-	0.0	-	20.8	0.0	0.0	17.9
Madhya Pradesh	99.9	10.0	54.3	0.4	55.7	5.3	60.4	66.7	43.3
Maharashtra**	70.5	20.8	9.0	0.4	22.8	3.2	2.7	16.7	18.2
Manipur**	0.0	0.0	0.0	0.0	-	0.0	-	-	18.0
Meghalaya	0.0	-	64.5	0.0	-	45.5	0.0	0.0	37.1
Mizoram	0.0	-	0.0	0.0	-	0.0	0.0	-	14.5
Nagaland	0.0	0.0	8.3	0.0	3.0	4.6	0.0	-	21.2
Orissa	100.0	18.9	25.7	-	-	12.7	-	-	28.7

(Contd.)

State/Union Territory	Rice	Jowar	Bajra	Maize	Wheat	Barley	Total Cereals	Gram	Tur or Arhar	Total pulses	Total Food-grains
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
Punjab	99.7	-	92.4	79.2	99.1	96.1	99.0	89.2	99.4	87.7	99.0
Rajasthan	68.6	0.1	3.7	2.0	99.6	98.6	41.3	47.7	4.3	20.7	35.9
Sikkim**	98.8	-	-	0.1	0.4	0.2	18.8	-	-	0.2	17.0
Tamil Nadu	94.4	13.8	15.6	48.8	100.0	-	71.8	4.6	13.6	10.9	56.8
Telangana	98.1	16.1	81.3	35.2	99.2	-	75.3	5.1	0.3	5.1	64.3
Tripura**	33.9	-	-	8.3	100.0	-	33.5	100.0	0.0	28.3	33.3
Uttarakhand	70.0	-	-	1.0	59.5	1.6	47.3	80.5	1.3	7.9	44.8
Uttar Pradesh	86.7	3.5	12.4	45.3	98.8	77.3	87.0	19.7	12.4	27.4	80.4
West Bengal**	46.9	65.5	76.5	43.4	98.7	0.0	49.7	18.0	8.3	15.0	48.4
All India	60.1	9.9	9.5	26.6	94.2	80.3	60.1	38.6	4.0	19.9	53.1

(Contd.)

State/Union Territory	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
	Sugar-cane	Groundnut	Rape-seed & Mustard	Soyabean	Sun-flower	Total Oilseeds	Cotton	Tobacco	Total area under all crops
(1)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Punjab	97.7	36.4	91.9	-	100.0	86.8	100.0	-	98.7
Rajasthan	98.4	88.3	90.1	0.4	-	63.8	95.2	88.2	42.0
Sikkim**	-	-	0.4	0.0	-	0.2	-	-	8.9
Tamil Nadu	100.0	41.0	1.7	98.4	49.3	66.5	26.5	100.0	56.6
Telangana	100.0	92.9	100.0	7.8	89.3	40.5	12.5	73.7	47.6
Tripura**	50.3	66.1	40.0	0.0	-	18.8	0.0	-	24.0
Uttarakhand	98.7	3.2	45.4	2.2	0.0	25.0	-	100.0	49.5
Uttar Pradesh	95.4	5.3	82.0	0.2	70.5	42.5	97.2	100.0	80.2
West Bengal**	84.6	-	87.8	-	-	79.1	80.0	99.5	58.8
All India	90.2	26.7	76.6	0.7	30.1	27.4	33.7	58.8	48.6

Source: Directorate of Economics & Statistics, DAC&FW.

**The figures related to irrigated area (Part-II) are either estimated based on the data for the latest available year received from the State/UT or are estimated/taken from Agriculture Census.

Table 13.5 Agricultural Land by type of Use

State/ Union- Territory/ Year	Geogra- phical Area	Report- ing area for land utilisa- tion statistics	Forest	(4)	(5)	Other uncultivated land excluding Fallow Land			Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/	Cropping Intensity (Col-14/ Col- 13*100)	
						Perma- nent & other grazing lands	pastures & other groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows					Current fallows
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Andhra Pradesh															
2012-13	27507	27505	6227	4833	515	278	587	1380	1610	2337	3947	11117	13650	15930	122.8
2013-14	16020*	16020	3493	3436	212	160	392	764	792	1087	1879	6448	8128	8879	126.0
2014-15	16276*	16276	3663	3353	214	159	391	764	858	1401	2260	6236	7690	9047	123.3
Arunachal Pradesh															
2012-13	8374	7255	6748*	64	18	36	64	119	69	38	107	216	285	424	131.7
2013-14	8374	7239	6732*	64	18	35	63	116	65	36	101	225	296	424	131.4
2014-15	8374	7228	6725*	62	18	35	62	115	65	36	101	225	299	423	132.8
Assam															
2012-13	7844	7844	1855	2459	173	228	145	546	86	88	175	2809	4076	3356	145.1
2013-14	7844	7844	1853	2466	168	222	144	534	85	87	172	2820	4100	3357	145.4
2014-15	7844	7844	1853	2460	167	220	142	529	87	87	175	2827	4083	3364	144.4
Bihar															
2012-13	9416	9360	622	2140	16	246	45	307	122	767	888	5402	7778	6582	144.0
2013-14	9416	9360	622	2144	15	247	45	308	120	913	1034	5252	7580	6578	144.3
2014-15	9416	9360	622	2144	15	248	45	308	119	889	1008	5278	7673	6579	145.4

(Contd.)

State/ Union- Territory/ Year	Geogra- phical Area	Report- ing area for land utilisa- tion statistics	Forest	Land not available for culti- vation	Other uncultivated land excluding Fallow Land	Fallow Land				Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)		
						Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total					Fallow lands other than current fallows	Current fallows
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Chhattisgarh															
2012-13	13519	13790	6352	1024	861	1	358	1220	265	257	522	4671	5691	5552	121.8
2013-14	13519	13790	6331	1027	882	1	349	1232	254	260	514	4686	5698	5550	121.6
2014-15	13519	13790	6316	1030	887	1	351	1239	258	267	525	4681	5728	5558	122.4
Goa															
2012-13	370	361	125	37	1	1	53	54	54	12	12	132	163	197	123.2
2013-14	370	361	125	37	1	1	53	54	54	15	15	129	158	197	122.2
2014-15	370	361	125	37	1	1	53	54	54	15	15	129	158	197	122.0
Gujarat															
2012-13*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12600	12661	122.3
2013-14*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12487	12661	121.2
2014-15*	19602	19069	1834	3723	851	4	1960	2815	16	379	395	10302	12773	12661	124.0
Haryana															
2012-13	4421	4371	40	643	25	4	26	55	18	103	121	3513	6376	3664	181.5
2013-14	4421	4371	39	662	26	7	18	51	22	101	123	3497	6471	3645	185.0
2014-15	4421	4371	38	653	25	9	17	51	22	86	108	3522	6536	3656	185.6
Himachal Pradesh															

(Contd.)

State/ Union- Territory/ Year	Geo- graphical Area	Reporting area for land utilisation statistics	Forest	Land not available for cul- tivation	Other uncultivated land excluding Fallow Land				Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ 13*100)	
					Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Current fallows					Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2012-13*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	960	812	174.6
2013-14*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	943	812	171.5
2014-15*	5567	4576	1126	1127	1510	64	122	1696	22	54	76	550	918	812	167.0
Jammu & Kashmir															
2012-13	22224	4012*	2254*	573	114	65	134	314	13	113	126	745	1162	1070	156.0
2013-14	22224	4012*	2254*	573	114	65	134	313	16	114	130	741	1155*	1070	155.9
2014-15	22224	4058*	2299*	571	112	57	139	308	15	106	121	758	1178*	1075	155.3
Jharkhand															
2012-13	7972	7970	2239	1281	114	102	349	565	1038	1440	2478	1406	1657	4336	117.9
2013-14	7972	7970	2239	1274	114	98	353	565	1063	1445	2508	1384	1672	4343	120.8
2014-15	7972	7970	2239	1274	114	98	353	565	1122	1386	2507	1385	1554	4343	112.2
Karnataka															
2012-13	19179	19050	3073	2222	908	283	413	1604	535	1822	2358	9793	11748	12846	120.0
2013-14	19179	19050	3073	2230	906	281	411	1598	525	1700	2225	9923	12267	12840	123.6
2014-15	19179	19052	3073	2248	904	277	409	1590	525	1572	2097	10044	12247	12827	121.9
Kerala															
2012-13	3886	3886	1082	525	0	3	97	100	56	77	133	2048	2592	2280	126.5

(Contd.)

State/ Union- Territory/ Year	Geo- graphical Area	Report- ing area for utilisa- tion statistics	Forest	Land not available for culti- vation	Land under Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Other uncultivated land excluding Fallow Land			Fallow Land			Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/	Cropping Intensity (Col-14/ Col- 13*100)							
							Land not available for culti- vation	Land under Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows					Current fallows	Total	(1)	(2)	(3)	(4)	(5)
2013-14	3886	3886	1082	526	0	3	97	100	100	57	71	128	2051	2617	2279	127.6							
2014-15	3886	3886	1082	538	0	3	101	103	103	55	65	120	2043	2625	2266	128.5							
Madhya Pradesh																							
2012-13	30825	30756	8693	3513	1286	20	1025	2331	2331	493	375	867	15352	23130	17264	150.7							
2013-14	30825	30756	8691	3507	1291	20	1008	2319	2319	468	350	818	15422	24047	17267	155.9							
2014-15	30825	30756	8694	3506	1303	20	1010	2333	2333	483	388	871	15351	23810	17252	155.1							
Maharashtra*																							
2012-13	30771	30758	5207	3177	1245	251	916	2412	2412	1200	1418	2618	17344	21943	21129	126.5							
2013-14	30771	30758	5206	3184	1242	250	915	2407	2407	1192	1401	2594	17368	23328	21127	134.3							
2014-15	30771	30758	5201	3209	1249	249	919	2417	2417	1188	1399	2587	17345	23474	21099	135.3							
Manipur*																							
2012-13	2233	2072	1728*	27	1	6	1	8	8	0	0	0	309	309	316	100.0							
2013-14	2233	2111	1699*	27	1	6	1	8	8	0	0	0	377	377	384	100.0							
2014-15	2233	2117	1699*	27	1	6	1	8	8	0	0	0	383	383	390	100.0							
Meghalaya																							
2012-13	2243	2241	946	239	164	164	391	555	555	155	60	215	285	340	1056	119.0							
2013-14	2243	2241	946	239	164	164	391	555	555	155	60	215	286	343	1056	120.0							

(Contd.)

State/ Union- Territory/ Year	Geogra- phical Area	Reporting area for land utilisation statistics	Forest	Land not available for cul- tivation	Other uncultivated land excluding Fallow Land				Fallow Land		Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ 13*100)	
					Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Current fallows					Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2014-15	2243	2242	946	240	165	390	555	155	60	215	286	343	1056	120.0	
Mizoram															
2012-13	2108	2094	1585	95	41	7	53	194	50	244	116	116	408	100.0	
2013-14	2108	2093	1585	100	74	7	86	161	47	208	114	114	402	100.0	
2014-15	2108	2039	1585	75	11	41	60	127	47	174	145	145	367	100.0	
Nagaland															
2012-13	1658	1652	863	95	94	70	164	99	50	150	380	489	694	128.5	
2013-14	1658	1652	863	95	94	70	163	100	50	150	380	499	693	131.2	
2014-15	1658	1652	863	95	92	68	161	99	50	149	384	500	694	130.3	
Odisha															
2012-13	15571	15502	5814	2409	536	198	1285	659	949	1608	4386	5069	6743	115.6	
2013-14	15571	15467	5814	2332	524	216	1315	634	877	1511	4495	5168	6797	115.0	
2014-15	15571	15518	5814	2396	524	211	1285	631	918	1549	4474	5173	6784	115.6	
Punjab															
2012-13	5036	5033	262	480	5	9	76	6	58	64	4150	7870	4286	189.6	
2013-14	5036	5033	258	550	5	8	19	6	55	60	4145	7848	4219	189.3	
2014-15	5036	5033	256	488	5	8	82	6	83	89	4119	7857	4285	190.8	

(Contd.)

State/ Union- Territory/ Year	Geo- graphical Area	Report- ing area for land utilisa- tion statistics	Forest	(4)	(5)	Land not available for culti- vation	Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	(7)	(8)	(9)	Fallow Land Fallow lands other than current fallows	(10)	(11)	(12)	Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)				
Rajasthan																			
2012-13	34224	34267	2750	4275	1694	23	4152	5870	2024	1869	3894	17479	23954	25548	137.0				
2013-14	34224	34267	2758	4274	1694	24	4000	5718	1847	1403	3250	18268	26120	25542	143.0				
2014-15	34224	34267	2740	4343	1674	26	4038	5738	2069	1856	3925	17521	24235	25511	138.3				
Sikkim*																			
2012-13	710	443	336*	10		4	4	8	5	7	12	77	144	97	186.2				
2013-14	710	443	336*	10		4	4	8	5	7	12	77	147	97	190.5				
2014-15	710	442	336*	10		4	4	8	5	7	12	77	136	97	176.0				
Tamil Nadu																			
2012-13	13006	13033	2125	2672	110	250	328	687	1696	1308	3004	4544	5140	8126	113.1				
2013-14	13006	13033	2125	2678	110	245	328	683	1718	1115	2833	4714	5897	8120	125.1				
2014-15	13006	13033	2125	2688	108	236	325	669	1734	998	2732	4819	5995	8112	124.4				
Telangana																			
2013-14	11487*	11484	2743	1510	302	114	178	593	717	960	1677	4961	6288	6929	126.7				
2014-15	11231*	11208	2540	1492	299	112	183	593	805	1401	2206	4377	5315	6877	121.5				
Tripura																			
2012-13	1049	1049	629	144	2	12	3	17	2	1	3	255	474	274	185.9				

(Contd.)

State/ Union- Territory/ Year	Geogra- phical Area	Report- ing area for land utilisa- tion statistics	Forest	Land not available for cul- tivation	Other uncultivated land excluding Fallow Land				Fallow Land			Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col-13) 13*100
					Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Current fallows	Total				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2013-14	1049	1049	629	145	1	12	3	16	2	1	3	255	474	273	186.0
2014-15	1049	1049	629	146	1	11	3	15	2	1	3	255	483	272	189.3
Uttarakhand															
2012-13	5348	5673	3485	449	192	390	315	897	86	51	136	706	1124	1547	159.2
2013-14	5348	5992	3800	450	192	389	317	898	86	57	143	701	1099	1550	156.8
2014-15	5348	5993	3800	452	192	388	317	897	86	57	144	700	1097	1549	156.7
Uttar Pradesh															
2012-13	24093	24170	1658	3371	66	350	423	839	537	1201	1739	16564	25821	19075	155.9
2013-14	24093	24170	1658	3491	65	325	410	801	539	1135	1674	16546	25896	18955	156.5
2014-15	24093	24170	1659	3508	65	305	405	776	509	1122	1631	16598	26147	18939	157.5
West Bengal															
2012-13	8875	8684	1174	1834	3	50	24	76	15	379	395	5205	9459	5673	181.7
2013-14	8875	8684	1174	1846	2	49	18	69	12	349	362	5234	9618	5662	183.8
2014-15	8875	8683	1173	1853	2	49	17	69	11	339	350	5238	9690	5655	185.0
Andaman & Nicobar Islands															
2012-13*	825	757	717	9	4	4	3	11	3	3	6	15	25	28	166.8
2013-14*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	165.1

(Contd.)

State/ Union- Territory/ Year	Geogra- phical Area	Report- ing area for utilisa- tion statistics	Forest	Land not available for culti- vation	Land not available for culti- vation	Other uncultivated land excluding Fallow Land	Fallow Land	Net area sown	Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/ land/	Cropping Intensity (Col-14/ Col- 13*100)				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2014-15*	825	757	717	9	4	4	3	11	3	3	6	15	24	28	160.9
Chandigarh															
2012-13	11	7	0	5	0	0	0	0	0	0	0	1	2	1	153.5
2013-14	11	7	0	5	0	0	0	0	0	0	0	1	2	1	154.3
2014-15	11	7	0	5	0	0	0	0	0	0	0	1	2	1	155.9
Dadar & Nagar Haveli															
2012-13	49	49	20	4	1	0	0	1	2	2	3	20	24	24	121.0
2013-14	49	49	20	4	1	0	0	1	2	2	4	19	23	24	122.2
2014-15	49	49	20	4	1	0	0	1	2	2	4	19	23	24	122.7
Daman & Diu															
2012-13	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3
2013-14	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3
2014-15	11	3	0	0	0	0	0	0	0	0	0	3	3	3	102.3
Delhi															
2012-13*	148	147	1	93	0	1	10	11	8	12	20	22	48	53	218.7
2013-14*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5
2014-15*	148	147	1	93	0	1	10	11	8	12	20	22	35	53	161.5

(Contd.)

State/ Union- Territory/ Year	Geogra- phical Area	Report- ing area for land utilisa- tion statistics	Forest	Land not available for cul- tivation	Other uncultivated land excluding Fallow Land				Fallow Land			Total cropped area	Agri. Land/ Cultivable Land/ Culturable land/Arable land/	Cropping Intensity (Col-14/ 13*100)	
					Perma- nent & other grazing lands	Land under Misc. tree crops & groves not incl. in net area sown	Cultur- able waste land	Total	Fallow lands other than current fallows	Current fallows	Total				Net area sown
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
Lakshadweep															
2012-13	3	3		1								2	3	2	135.7
2013-14	3	3		1								2	3	2	135.7
2014-15	3	3		1								2	3	2	135.7
Puducherry															
2012-13	48	49	0	19		1	5	6	2	5	8	16	26	30	161.6
2013-14	48	49	0	19		1	5	6	3	6	8	15	25	30	163.8
2014-15	48	49	0	19		1	5	6	3	5	8	16	27	29	168.3
All India															
2012-13*	328726	307491	71573	43577	10256	3182	12643	26082	11037	15287	26324	139936	194246	182085	138.8
2013-14*	328726	307796	71828	43861	10258	3187	12388	25832	10694	14154	24848	141427	200950	181850	142.1
2014-15*	328726	307818	71794	43880	10258	3104	12469	25832	11092	15091	26182	140130	198360	181886	141.6

Source: Directorate Of Economics & Statistics, Dac&Fw

* Provisional Data Except Geographical Area. '0' Relates To The Area Below 500 Hectares.

Table 13.6 : Irrigation Potential created under Accelerated Irrigation Benefit Programme (AIBP)- All Major and Medium Irrigation Projects

S. No.	State	Ultimate Potential	Created before AIBP	Target for AIBP	Potential Created under AIBP during										2005-06
					(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1	Andhra Pradesh	900.34	23.37	788.91	0.00	0.00	0.00	0.00	6.20	0.45	7.69	23.55	7.71	4.48	26.84
2	Assam	262.63	96.23	162.32	1.99	4.53	4.92	7.90	7.47	8.20	3.65	3.95	4.12	2.69	
3	Bihar	1323.64	1430.99	684.65	1.18	0.00	8.00	7.79	13.53	43.30	47.95	44.79	60.38	174.65	
4	Chhattisgarh	791.65	394.94	213.71	0.00	0.00	0.00	3.50	2.70	36.19	19.21	11.91	15.97	11.65	
5	Goa	28.63	4.81	23.82	0.00	0.00	1.48	0.54	0.15	0.89	1.72	2.90	1.80	0.25	
6	Gujarat	2028.35	168.21	1830.24	16.12	20.38	36.53	28.44	40.62	15.36	11.98	61.36	77.95	34.09	
7	Haryana	400.50	179.53	200.97	12.09	12.40	14.97	21.12	11.23	12.32	3.27	2.96	7.89	6.90	
8	Himachal Pradesh	37.51	0.00	37.51	0.00	0.00	0.00	0.24	0.33	0.17	0.32	0.49	0.49	0.49	
9	Jammu & Kashmir	154.80	48.93	105.69	0.00	0.00	0.00	0.62	0.88	2.43	5.59	2.62	1.08	1.32	
10	Jharkhand	299.83	6.04	293.79	0.00	0.00	1.80	1.40	1.80	3.60	2.02	1.00	0.00	0.00	
11	Karnataka	1911.59	967.15	953.53	0.77	3.11	7.19	8.48	4.82	66.92	54.97	129.23	69.15	50.48	
12	Kerala	154.84	69.12	57.47	0.43	1.58	0.00	0.80	1.65	5.92	4.80	9.18	5.03	0.65	
13	Madhya Pradesh	1559.01	118.25	1028.50	0.00	0.00	0.00	5.00	9.47	9.32	16.68	11.16	50.44	21.06	
14	Maharashtra	2230.69	827.79	1215.17	0.46	26.94	24.12	11.98	21.55	10.49	12.90	27.59	35.97	34.49	
15	Manipur	55.99	4.00	51.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
16	Meghalaya	4.78	0.00	4.78	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
17	Odisha	844.51	216.21	649.86	1.31	17.22	13.54	8.73	13.04	6.41	4.07	40.00	15.52	4.15	
18	Punjab	337.62	0.00	337.62	0.00	0.00	0.00	0.00	14.16	79.75	2.09	0.00	4.99	18.03	
19	Rajasthan	1752.51	70.11	1605.16	0.83	51.62	58.99	34.77	12.70	29.10	37.36	51.30	59.77	81.19	
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
21	Telangana	1145.43	1105.09	827.94	0.00	18.66	40.67	10.72	8.39	28.07	52.28	4.06	7.62	34.68	
22	Tripura	26.72	2.18	24.54	0.62	0.21	0.10	0.67	0.75	0.89	0.00	0.00	0.52	2.05	
23	Uttar Pradesh	5890.70	2658.52	3213.88	29.02	42.61	38.20	56.10	351.23	68.22	78.86	30.07	93.55	111.30	
24	Uttarakhand	310.00	0.00	270.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
25	West Bengal	1057.96	402.02	551.02	11.70	0.30	9.00	11.35	16.25	10.14	5.43	2.55	2.47	5.15	
	Total	23510.22	8793.47	15133.04	76.51	199.55	259.75	226.35	533.14	445.36	388.69	444.81	519.15	622.09	

(Contd.)

S. No.	State	Potential Created under AIBP during															Potential Created under AIBP upto March 2017
		2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	(26)	(27)			
(1)	(2)	(16)	(17)	(18)	(19)	(20)	(21)	(22)	(23)	(24)	(25)	(26)	(27)				
1	Andhra Pradesh	24.44	63.43	21.94	10.07	60.13	12.59	4.08	3.79	0.00	29.11	11.89	318.38				
2	Assam	2.80	4.49	7.75	10.87	6.15	4.00	0.45	8.00	0.50	0.00	28.28	122.69				
3	Bihar	45.27	6.40	10.00	0.47	0.00	0.00	0.00	3.68	0.00	0.00	10.31	477.68				
4	Chhattisgarh	11.94	15.82	18.86	10.21	2.83	9.83	11.80	5.00	3.51	1.11	12.36	204.39				
5	Goa	0.41	4.89	1.50	0.53	0.80	0.17	1.26	1.16	0.00	0.00	0.05	20.50				
6	Gujarat	81.84	68.20	20.89	25.66	28.89	21.27	128.20	274.78	162.64	185.91	116.50	1457.58				
7	Haryana	10.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	115.22				
8	Himachal Pradesh	3.53	3.34	4.15	4.04	5.01	5.59	3.53	5.55	0.00	0.00	0.00	37.50				
9	Jammu & Kashmir	1.19	4.52	4.74	4.38	8.91	10.15	4.59	4.25	0.54	1.00	0.00	58.80				
10	Jharkhand	0.50	0.00	0.00	0.51	1.66	0.00	4.30	23.83	0.00	0.00	79.19	121.61				
11	Karnataka	76.05	18.75	6.45	32.74	24.71	28.80	8.02	21.33	30.34	88.41	24.62	755.33				
12	Kerala	2.71	0.96	0.12	1.63	2.64	7.55	1.99	1.87	0.09	0.47	0.07	50.15				
13	Madhya Pradesh	18.10	79.41	48.87	35.52	89.73	82.55	99.08	82.77	90.66	52.00	73.74	875.56				
14	Maharashtra	66.89	89.26	65.33	70.78	34.79	41.54	26.39	20.30	21.90	24.26	67.11	735.02				
15	Manipur	5.00	5.92	4.14	1.80	4.00	0.10	4.00	1.20	2.60	2.00	4.00	34.76				
16	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
17	Odisha	4.61	14.40	10.73	27.66	36.21	20.31	6.76	11.14	6.44	7.26	5.42	274.92				
18	Punjab	8.18	4.80	27.44	12.89	25.00	0.00	1.00	0.00	0.00	2.89	0.00	201.22				
19	Rajasthan	62.45	129.47	54.00	49.00	396.03	13.01	12.80	11.45	1.77	6.28	0.00	1153.87				
20	Tamil Nadu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
21	Telangana	30.08	25.47	60.32	9.31	8.09	25.85	20.07	54.96	7.12	69.22	20.82	536.46				
22	Tripura	3.01	1.73	1.27	4.27	0.51	0.00	0.22	0.00	0.00	0.00	0.00	1.681				
23	Uttar Pradesh	88.62	75.67	105.18	37.35	175.33	67.95	82.05	98.62	9.11	63.78	67.40	1770.21				
24	Uttarakhand	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
25	West Bengal	2.31	14.55	4.85	5.28	15.27	25.85	3.34	1.72	0.00	0.00	0.00	147.50				
	Total	550.01	631.47	478.50	354.97	926.67	377.12	423.93	635.40	337.20	533.70	521.76	9486.14				

Source: Ministry of Water Resources, River Development and Ganga Rejuvenation

Note: Data of projects under AIBP have been reconciled by CWC with States and some updation in the previous years figures have been made.

Table 13.7 : State-wise Area covered under Micro Irrigation as on 31.03.2017

(Hectares)

S. No.	Name of State	Drip	Sprinkler	Total
(1)	(2)	(3)	(4)	(5)
1	Andhra Pradesh	1012093	386415	1398508
2	Arunachal Pradesh	613	0	613
3	Assam	310	129	439
4	Bihar	10309	101124	111433
5	Chattisgarh	20399	263857	284256
6	Goa	1086	993	2079
7	Gujarat	557606	580396	1138002
8	Haryana	28081	556079	584160
9	Himachal Pradesh	4441	3652	8093
10	Jammu & Kashmir	23	57	80
11	Jharkhand	16641	14227	30868
12	Karnataka	514090	536443	1050533
13	Kerala	22890	8080	30970
14	Madhya Pradesh	265194	216470	481664
15	Maharashtra	1004175	408365	1412540
16	Manipur	288	30	318
17	Meghalaya	308	307	615
18	Mizoram	3064	1364	4428
19	Nagaland	444	5005	5449
20	Odisha	22575	87038	109613
21	Punjab	35208	12473	47681
22	Rajasthan	212406	1576139	1788545
23	Sikkim	6044	3042	9086
24	Tamil Nadu	352375	45136	397511
25	Telangana	107828	24608	132436
26	Tripura	444	1651	2095
27	Uttar Pradesh	20118	50674	70792
28	Uttarakhand	3622	2059	5681
29	West Bengal	604	50576	51180
30	Others	15169	30636	45805
	Total	4238448	4967025	9205473

Source: Department of Agriculture, Cooperation & Farmers Welfare

14

Inputs

Table 14.1: Production and Use of Agricultural Inputs in India

Programme	Unit	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1. Seeds								
(i) Production of Breeder Seeds	Thousand Qtls.	45.54	48.42	61.82	68.46	68.64	73.83	91.96
(ii) Production of Foundation Seeds	Lakh Qtls.	5.44	6.14	6.50	6.90	7.40	7.96	8.25
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	91.80	98.03	108.59	120.26	126.75	155.01	179.05
2. Consumption of Chemical Fertilisers								
Nitrogenous (N)	Thousand Tonnes	11310	10474	11076	11714	12723	13774	14419
Phosphatic(P)	Thousand Tonnes	4382	4019	4124	4624	5204	5543	5515
Potassic(K)	Thousand Tonnes	1667	1601	1598	2060	2413	2335	2636
Total (N+P+K)	Thousand Tonnes	17360	16094	16798	18398	20340	21651	22570
Per Hectare *	Kgs	92.33	92.55	88.57	96.27	105.53	112.55	115.27
3. Consumption of Pesticides (Technical Grade Material)								
Pesticides (Technical Grade Material)	Thousand Tonnes	47.02	48.35	41.02	40.67	39.77	43.41	41.64
4. Area Covered Under Soil Conservation								
Soil Conservation	Lakh Hectares	4.70	4.30	5.55	7.37	8.67	11.41	7.34

(Contd.)

Table 14.1 : Production and Use of Agricultural Inputs in India

Programme	Unit	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1. Seeds										
(i) Production of Breeder Seeds	Thousand Qtls.	94.41	102.00	118.85	123.38	110.20	82.29	86.21	90.37	110.71
(ii) Production of Foundation Seeds	Lakh Qtls.	9.62	11.46	18.06	22.26	16.17	17.43	15.76	14.95	22.09
(iii) Distribution of Certified/Quality Seeds	Lakh Qtls.	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04	348.58
2. Consumption of Chemical Fertilisers										
Nitrogenous (N)	Thousand Tonnes	15090	15580	16558	17300	16821	16750	16946	17372	16735
Phosphatic(P)	Thousand Tonnes	6506	7274	8050	7914	6653	5633	6098	6979	6705
Potassic(K)	Thousand Tonnes	3313	3632	3514	2576	2062	2099	2532	2402	2508
Total (N+P+K)	Thousand Tonnes	24909	26486	28122	27790	25536	24482	25576	26753	25949
Per Hectare *	Kgs	128	140	143	142	131	125	127	131	123
3. Consumption of Pesticides (Technical Grade Material)										
	Thousand Tonnes	43.86	41.82	55.54	52.98	45.62	60.28	56.12	50.41	52.75**
4. Area Covered Under Soil Conservation										
	Lakh Hectares	6.90	5.32	7.49	4.72	5.46	-	-	-	-

Source: Department of Agriculture, Cooperation & Farmers Welfare, Consumption from State Government

* Per capita consumption from Gross Cropped Area upto 2016-17 is based on State Governments estimates ** As on 20.11.2017

: Soil Conservation programmes namely; National Watershed Development Project for Rainfed Areas, Centrally Sponsored Programme of Soil Conservation in the catchment of River Valley & Flood Prone Rivers (RVP&FPR), Reclamation & Development of Alkali & Acid Soils (RDAAS) Watershed Development Project in Shifting Cultivation Area (WDPSCA), Watershed Development Fund have been closed from 1st April 2013.

Table 14.2: All-India Consumption of Fertilisers in Terms of Nutrients (N, P & K)
(Thousand Tonnes)

Year	N	P	K	Total
(1)	(2)	(3)	(4)	(5)
1950-51	58.7	6.9	-	65.6
1955-56	107.5	13.0	10.3	130.8
1960-61	210.0	53.1	29.0	292.1
1965-66	574.8	132.5	77.3	784.6
1970-71	1487.0	462.0	228.0	2177.0
1975-76	2148.6	466.8	278.3	2893.7
1980-81	3678.1	1213.6	623.9	5515.6
1985-86	5660.8	2005.2	808.1	8474.1
1986-87	5716.0	2078.9	850.0	8644.9
1987-88	5716.8	2187.0	880.5	8784.3
1988-89	7251.0	2720.7	1068.3	11040.0
1989-90	7386.0	3014.2	1168.0	11568.2
1990-91	7997.2	3221.0	1328.0	12546.2
1991-92	8046.3	3321.2	1360.5	12728.0
1992-93	8426.8	2843.8	883.9	12154.5
1993-94	8788.3	2669.3	908.4	12366.0
1994-95	9507.1	2931.7	1124.7	13563.5
1995-96	9822.8	2897.5	1155.8	13876.1
1996-97	10301.8	2976.8	1029.6	14308.1
1997-98	10901.8	3913.6	1372.5	16187.9
1998-99	11353.8	4112.2	1331.5	16797.5
1999-00	11592.7	4798.3	1678.7	18069.7
2000-01	10920.2	4214.6	1567.5	16702.3
2001-02	11310.2	4382.4	1667.1	17359.7
2002-03	10474.1	4018.8	1601.2	16094.1
2003-04	11077.0	4124.3	1597.9	16799.2
2004-05	11713.9	4623.8	2060.6	18398.3
2005-06	12723.3	5203.7	2413.5	20340.5
2006-07	13772.9	5543.3	2334.8	21651.0
2007-08	14419.1	5514.7	2636.3	22570.1
2008-09	15090.5	6506.2	3312.6	24909.3
2009-10	15580.0	7274.0	3632.4	26486.4
2010-11	16558.2	8049.7	3514.3	28122.2
2011-12	17300.3	7914.3	2575.5	27790.0
2012-13	16820.9	6653.4	2061.8	25536.2
2013-14	16750.1	5633.5	2098.9	24482.4
2014-15	16945.4	6098.4	2532.3	25576.1
2015-16	17372.3	6978.8	2401.5	26752.6
2016-17	16735.4	6705.4	2508.3	25949.2

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Figures upto 1982-83 relate to Feb.-Jan. and onwards to Apr.-Mar.

Table 14.3 : Consumption, Production and Import of Fertilisers

Year	Consumption			Production			Imports			C & F Value of Imported Urea (₹ Crore)			
	N	P	K	TOTAL	N	P	K	TOTAL	N		P	K	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1981-82	40.69	13.22	6.73	60.64	31.44	9.49	0.00	40.93	10.54	3.43	6.44	20.41	716.62
1982-83	42.24	14.37	7.27	63.88	34.24	9.80	0.00	44.04	4.25	0.63	6.44	11.32	273.53
1983-84	52.05	17.30	7.75	77.10	34.85	10.48	0.00	45.33	6.56	1.43	5.56	13.55	365.05
1984-85	54.87	18.86	8.38	82.11	39.17	12.63	0.00	51.80	20.08	7.45	8.71	36.24	1500.00
1985-86	56.61	20.05	8.08	84.74	43.28	14.28	0.00	57.56	16.80	8.16	9.03	33.99	1405.00
1986-87	57.16	20.79	8.50	86.45	54.10	16.60	0.00	70.70	11.03	2.55	9.52	23.10	651.00
1987-88	57.17	21.87	8.80	87.84	54.66	16.65	0.00	71.31	1.75	-	8.09	9.84	223.77
1988-89	72.51	27.21	10.68	110.40	67.12	22.52	0.00	89.64	2.19	4.07	9.82	16.08	644.52
1989-90	73.86	30.14	11.68	115.68	67.47	17.96	0.00	85.43	5.23	13.11	12.80	31.14	1538.77
1990-91	79.97	32.21	13.28	125.46	69.93	20.52	0.00	90.45	4.14	10.16	13.28	27.58	1335.82
1991-92	80.46	33.21	13.61	127.28	73.01	25.62	0.00	98.63	5.66	9.67	12.36	27.69	1934.19
1992-93	84.26	28.43	8.84	121.53	74.30	23.06	0.00	97.36	11.37	6.89	10.82	29.08	2216.00
1993-94	87.88	26.69	9.09	123.66	72.31	18.16	0.00	90.47	15.88	7.22	8.57	31.67	1300.18
1994-95	95.07	29.32	11.25	135.64	79.45	24.93	0.00	104.38	14.76	3.80	11.09	29.65	1785.11
1995-96	98.23	28.98	11.56	138.77	87.77	25.58	0.00	113.35	19.93	6.47	13.15	39.55	2840.13
1996-97	103.01	29.77	10.30	143.08	85.99	25.56	0.00	111.55	11.67	4.26	6.13	22.06	1701.74
1997-98	109.01	39.14	13.73	161.88	100.86	29.76	0.00	130.62	13.62	6.72	11.40	31.74	1296.57
1998-99	113.54	41.12	13.32	167.98	104.80	31.44	0.00	136.24	6.35	9.68	15.42	31.45	240.00
1999-00	115.92	47.99	16.78	180.69	108.90	33.99	0.00	142.89	8.33	15.03	17.34	40.75	197.16
2000-01	109.20	42.15	15.68	167.02	109.61	37.43	0.00	147.04	1.54	3.96	15.41	20.91	*

(Contd.)

Year	Consumption				Production				Imports				C & F Value of Imported Urea (₹ Crore)
	N	P	K	TOTAL	N	P	K	TOTAL	N	P	K	TOTAL	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
2001-02	113.10	43.82	16.67	173.60	107.71	38.61	0.00	146.32	2.69	4.29	17.01	23.99	113.09
2002-03	104.74	40.19	16.01	160.94	105.62	39.06	0.00	144.68	0.67	1.70	15.20	17.57	*
2003-04	110.77	41.24	15.98	167.99	106.34	36.32	0.00	142.66	1.32	3.38	15.48	20.18	*
2004-05	117.14	46.24	20.61	183.98	113.39	40.65	0.00	154.04	4.11	2.96	20.45	27.52	684.73
2005-06	127.23	52.04	24.14	203.41	113.55	42.21	0.00	155.76	13.85	11.21	27.47	52.53	1747.34
2006-07	137.73	55.43	23.35	216.51	115.77	45.17	0.00	160.94	26.88	13.23	20.69	60.80	4647.18
2007-08	144.19	55.15	26.36	225.70	108.99	38.07	0.00	147.06	36.77	12.53	26.53	75.83	8334.65
2008-09	150.91	65.06	33.13	249.09	108.70	34.64	0.00	143.34	38.44	29.27	33.80	101.51	11091.87
2009-10	155.80	72.74	36.32	264.86	119.00	43.21	0.00	162.21	34.47	27.56	29.44	91.47	5754.01
2010-11	165.58	80.50	35.14	281.22	121.57	42.23	0.00	163.80	44.92	38.02	40.69	123.63	8348.89
2011-12	173.00	79.14	25.75	277.90	122.59	43.68	0.00	166.27	52.40	44.27	33.35	130.02	15442.02
2012-13	168.21	66.53	20.62	255.36	121.94	38.30	0.00	160.24	46.90	27.78	12.30	86.98	15980.22
2013-14	167.50	56.33	20.99	244.82	123.78	39.60	0.00	163.38	38.08	15.90	13.33	67.31	14987.95
2014-15	169.45	60.98	25.32	255.76	123.94	41.21	0.00	165.15	47.66	18.32	25.37	91.35	12035.26
2015-16	173.72	69.79	24.02	267.53	134.16	43.94	0.00	178.10	50.68	28.88	20.53	100.09	13984.93
2016-17	167.35	67.05	25.08	259.49	133.54	45.95	0.00	179.49	33.88	21.29	23.18	78.35	7024.32**

Source: Department of Fertilizers and Department of Agriculture, Cooperation & Farmers Welfare (DAC&FW)

* There was no import of Urea in 2000-01, 2002-03 and 2003-04 in Government account.

** Exchange rate is taken as 1 USD = Rs.67.07

Note : 1. Figures relate to imports made on Govt. Account only.

2. The imports made after decanalisation of phosphatic fertilisers (w.e.f. 17.9.1992) and potassic fertilisers (w.e.f. 17.6.1993) include the quantities imported by private parties also.

Table 14.4 (a): State-wise Consumption of Fertilisers in Terms of Nutrients (N, P & K)

(Thousand Tonnes)

Sl. No.	State/Zone	2014-15			2015-16			2016-17			Total		
		N	P	K	Total	N	P	K	Total	N		P	K
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
South Zone													
1	Andhra Pradesh	1076.57	443.59	218.67	1738.83	1022.97	489.72	185.46	1698.15	982.87	479.19	224.90	1686.96
2	Telangana	826.95	268.21	82.41	1177.57	877.3	327.79	111.16	1316.25	926.20	320.66	125.06	1371.92
3	Karnataka	1001.59	498.07	332.31	1831.97	981.62	531.41	266.73	1779.76	876.26	510.73	241.23	1628.22
4	Kerala	104.54	43.14	61.82	209.50	111	41.1	76.53	228.63	78.58	43.19	58.65	180.42
5	Tamil Nadu	601.32	223.28	190.20	1014.80	682.73	266.57	195.06	1144.36	513.76	231.66	163.03	908.45
6	puducherry	7.97	1.73	1.87	11.57	7.56	1.5	1.37	10.43	7.56	1.50	1.37	10.43
7	A&N Islands	0.49	0.39	0.26	1.14	0	0	0	0.00	0.59	0.63	0.38	1.60
8	Lakshadweep	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
	SZ TOTAL	3619.43	1478.41	887.54	5985.38	3683.18	1658.09	836.31	6177.58	3385.82	1587.56	814.62	5788.00
West Zone													
9	Gujarat	1217.50	351.99	114.51	1684.00	1101.82	313.51	101.42	1516.75	1143.49	340.06	120.90	1604.45
10	Madhya Pradesh	1119.10	605.73	72.11	1796.94	1233.8	650.6	82.14	1966.54	1272.09	617.81	92.00	1981.90
11	Chhattisgarh	373.14	175.53	56.73	605.40	390.783	189.74	57.11	637.63	388.95	220.99	63.41	673.35
12	Maharashtra	1540.99	760.89	512.78	2814.66	1450.82	841.73	432.03	2724.58	1542.22	799.41	464.50	2806.13
13	Rajasthan	952.35	331.45	15.18	1298.98	1068.9	443.38	18.36	1530.64	998.28	340.71	15.69	1354.68
14	Goa	252	1.14	0.86	4.52	2.37	1.45	1.02	4.84	2.23	1.37	0.97	4.57
15	Daman & Diu	0.00	0.00	0.00	0.00	0.14	0.02	0	0.16	0.14	0.01	0.01	0.16
16	D&N Haveli	0.64	0.44	0.00	1.08	0.57	0.31	0	0.88	0.69	0.48	0.00	1.17
	WZ TOTAL	5206.24	2227.17	772.17	8205.58	5249.20	2440.74	692.08	8382.02	5348.09	2320.84	757.48	8426.41
North Zone													
17	Haryana	1013.29	253.66	36.20	1303.15	1037.1	290.6	19.7	1347.40	1008.20	291.83	42.82	1342.85
18	Punjab	1352.05	328.17	37.53	1717.75	1447.28	418.72	77.71	1943.71	1396.63	369.73	52.18	1818.54
19	Uttar Pradesh	3168.95	915.35	187.34	4271.64	2930.01	1098.08	202	4230.09	2890.09	1133.51	237.51	4261.11

(Contd.)

Sl. No.	State/Zone	2014-15				2015-16				2016-17			
		N	P	K	Total	N	P	K	Total	N	P	K	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
20	Uttarakhand	137.36	25.68	7.33	170.37	170.95	23.49	6.74	201.18	163.67	29.17	9.28	202.12
21	Himachal Pr.	35.04	8.51	9.51	53.06	36.58	9.81	9.85	56.24	34.56	10.65	11.28	56.49
22	J & K	65.02	29.92	15.13	110.07	82.20	28.07	11.98	122.25	71.63	29.51	15.52	116.66
23	Delhi	8.57	0.00	0.00	8.57	5.14	0.43	0	5.57	7.57	0.32	0.00	7.89
24	Chandigarh	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
	NZ TOTAL	5780.28	1561.29	293.04	7634.61	5709.26	1869.20	327.98	7906.44	5572.35	1864.72	368.59	7805.66
	East Zone												
25	Bihar	999.91	235.12	111.16	1346.19	1249.79	340.9	106.16	1696.85	1053.00	308.85	146.72	1508.57
26	Jharkhand	91.80	19.58	3.24	114.62	122.84	41.01	5.41	169.26	114.51	31.93	2.50	148.94
27	Orissa	314.07	126.23	59.24	499.54	327.19	133.66	58.85	519.70	302.43	130.89	61.02	494.34
28	West Bengal	756.85	390.82	319.24	1466.91	838.56	451.21	325.89	1615.66	779.51	412.21	310.31	1502.03
	EZ TOTAL	2162.63	771.75	492.88	3427.26	2538.38	966.78	496.31	4001.47	2249.45	883.88	520.55	3653.88
	North East Zone												
29	Assam	155.92	50.18	80.34	286.44	169.21	33.53	39.88	242.62	153.51	37.62	39.84	230.97
30	Tripura	8.58	6.63	3.93	19.14	9.57	6.53	6.18	22.28	14.16	7.17	4.78	26.11
31	Manipur	11.02	2.15	1.94	15.11	10.29	2.77	1.74	14.80	8.60	2.36	1.60	12.56
32	Meghalaya	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
33	Nagaland	1.33	0.79	0.48	2.60	1.19	0.814	0.51	2.51	1.25	0.85	0.54	2.64
34	Arunachal Pr.	0.00	0.00	0.00	0.00	0.44	0.03	0.09	0.56	0.00	0.00	0.00	0.00
35	Mizoram	0.00	0.00	0.00	0.00	1.61	0.29	0.42	2.32	2.21	0.40	0.31	2.92
36	Sikkim	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0.00	0.00	0.00
	NE TOTAL	176.85	59.75	86.69	323.29	192.31	43.96	48.82	285.09	179.73	48.40	47.07	275.20
	ALL INDIA	16945.37	6098.37	2532.32	25576.12	17372.33	6978.77	2401.50	26752.61	16735.44	6705.40	2508.31	25949.15

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.4 (b): State-wise Estimated Consumption of Fertiliser (N,P&K) per Hectare

Sl. No.	State/Zone	2014-15			2015-16			2016-17			(Kg./Hectare)		
		N (3)	P (4)	K (5)	Total (6)	N (7)	P (8)	K (9)	Total (10)	N (11)		P (12)	K (13)
South Zone													
1	Andhra Pradesh	146.88	60.52	29.83	237.23	135.96	65.09	24.65	225.70	123.56	60.24	28.27	212.07
2	Telangana	162.52	52.71	16.20	231.43	179.23	66.97	22.71	268.91	164.36	56.90	22.19	243.46
3	Karnataka	96.31	47.89	31.95	176.15	96.50	52.24	26.22	174.96	87.50	51.00	24.09	162.58
4	Kerala	20.23	8.35	11.97	40.55	21.25	7.87	14.65	43.78	14.98	8.23	11.18	34.38
5	Tamil Nadu	96.98	36.01	30.68	163.67	104.52	40.81	29.86	175.19	87.36	39.39	27.72	154.48
6	Puducherry	196.11	42.57	46.01	284.69	190.05	37.71	34.44	262.19	209.65	41.60	37.99	289.24
7	A&N Islands	12.50	9.95	6.63	29.09	0.00	0.00	0.00	0.00	61.49	65.66	39.60	166.75
8	Lakshadweep	-	-	-	-	-	-	-	-	-	-	-	-
Average (South Zone)		105.63	43.15	25.90	174.68	107.00	48.17	24.30	179.46	97.35	45.65	23.42	166.43
West Zone													
8	Gujarat	96.00	27.76	9.03	132.79	90.45	25.74	8.33	124.51	91.21	27.12	9.64	127.98
9	Madhya Pradesh	48.68	26.35	3.14	78.17	52.45	27.66	3.49	83.59	51.15	24.84	3.70	79.70
10	Chhattisgarh	56.75	26.69	8.63	92.07	61.36	29.79	8.97	100.12	58.96	33.50	9.61	102.07
11	Maharashtra	68.76	33.95	22.88	125.60	65.20	37.83	19.42	122.45	63.07	32.69	19.00	114.75
12	Rajasthan	39.97	13.91	0.64	54.51	42.99	17.83	0.74	61.56	40.48	13.82	0.64	54.93
13	Goa	26.12	11.82	8.91	46.85	24.04	14.71	10.34	49.09	22.21	13.64	9.66	45.51
14	Daman & Diu	0.00	0.00	0.00	0.00	35.99	5.14	0.00	41.13	35.90	2.56	2.56	41.03
15	D&N Haveli	40.25	27.67	0.00	67.92	36.31	19.75	0.00	56.05	43.13	30.00	0.00	73.13
Average (West Zone)		58.76	25.14	8.71	92.61	58.77	27.33	7.75	93.85	57.36	24.89	8.12	90.38
North Zone													
16	Haryana	172.18	43.10	6.15	221.44	169.65	47.54	3.22	220.42	163.80	47.41	6.96	218.18
17	Punjab	179.03	43.46	4.97	227.46	185.10	53.55	9.94	248.60	178.30	47.20	6.66	232.17
18	Uttar Pradesh	111.61	32.24	6.60	150.45	107.73	40.37	7.43	155.53	104.11	40.83	8.56	153.51

(Contd.)

Sl. No.	State/Zone	2014-15					2015-16					2016-17				
		N		Total		K	N		Total		K	N		Total		K
		(3)	(4)	(5)	(6)		(7)	(8)	(9)	(10)		(11)	(12)	(13)	(14)	
19	Uttarakhand	128.96	24.11	6.88	159.95	143.76	19.75	5.67	169.18	138.47	24.68	7.85	171.01			
20	Himachal Pradesh	35.63	8.65	9.67	53.96	37.14	9.96	10.00	57.10	35.17	10.84	11.48	57.49			
21	Jammu & Kashmir	-	-	-	-	42.90	14.65	6.25	63.79	38.63	15.91	8.37	62.91			
22	Delhi	82.25	0.00	0.00	82.25	53.06	4.44	0.00	57.49	73.66	3.11	0.00	76.77			
23	Chandigarh	-	-	-	-	-	-	-	-	-	-	-	-			
	Average (North Zone)	131.42	35.50	6.66	173.58	125.99	41.25	7.24	174.47	121.49	40.65	8.04	170.18			
	East Zone															
24	Bihar	132.70	31.20	14.75	178.65	162.19	44.24	13.78	220.21	138.50	40.62	19.30	198.42			
25	Jharkhand	30.75	6.56	1.09	38.39	39.59	13.22	1.74	54.54	33.53	9.35	0.73	43.62			
26	Odisha	36.14	14.53	6.82	57.49	39.43	16.11	7.09	62.64	34.73	15.03	7.01	56.78			
27	West Bengal	77.86	40.21	32.84	150.91	90.23	48.55	35.07	173.84	82.14	43.44	32.70	158.28			
	Average (East Zone)	74.75	26.68	17.04	118.47	89.38	34.04	17.48	140.90	77.00	30.26	17.82	125.07			
	North East Zone															
28	Assam	49.11	15.80	25.30	90.22	31.24	6.19	7.36	44.79	27.42	6.72	7.12	41.26			
29	Tripura	18.45	14.25	8.45	41.15	18.47	12.60	11.93	42.99	25.01	12.66	8.44	46.11			
30	Manipur	32.38	6.32	5.70	44.40	28.94	7.79	4.89	41.62	23.74	6.52	4.42	34.67			
31	Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			
32	Nagaland	3.24	1.93	1.17	6.34	2.82	1.93	1.21	5.95	16.44	11.18	7.10	34.71			
33	Arunachal Pradesh	0.00	0.00	0.00	0.00	1.62	0.11	0.33	2.07	0.00	0.00	0.00	0.00			
34	Mizoram	0.00	0.00	0.00	0.00	12.62	2.27	3.29	18.18	17.32	3.13	2.43	22.88			
35	Sikkim	130.79	125.39	-	-	-	-	-	-	-	-	-	-			
	Average (NEZ)	36.09	12.19	17.69	65.97	26.31	6.02	6.68	39.01	25.09	6.76	6.57	38.41			
	All India (Average)	84.44	30.39	12.62	127.45	84.84	34.08	11.73	130.66	79.59	31.89	11.93	123.41			

Source: Department of Agriculture, Cooperation & Farmers Welfare

Note: Estimates of Gross Cropped Area are based on the data from respective State Governments.

Table 14.5(a): Fertiliser Consumption per Hectare of Agricultural Land in selected Countries

Continent/Country	2014					2015				
	N (2)	P ₂ O ₅ (3)	K ₂ O (4)	Total (5)	N (6)	P ₂ O ₅ (7)	K ₂ O (8)	Total (9)		
Africa										
Egypt	299.7	48.3	16.8	364.8	325.4	46.5	17.1	389.0		
Morocco	7.4	7.1	0.9	15.4	7.4	7.2	1.1	15.8		
South Africa	4.5	2.0	1.3	7.8	4.1	1.9	1.3	7.3		
America										
North America										
Canada	39.5	14.5	6.1	60.1	38.9	15.7	5.8	60.4		
USA	29.1	10.0	10.9	50.0	30.1	10.4	11.6	52.1		
Latin America and the Caribbean										
Brazil	13.7	16.8	19.1	49.6	12.5	15.6	18.3	46.3		
Chile	12.3	8.2	6.4	26.8	12.4	7.9	6.1	26.5		
Mexico	14.1	3.4	2.0	19.6	12.7	3.3	2.6	18.6		
Asia										
Bangladesh	145.2	66.7	47.8	259.7	138.2	71.0	50.1	259.2		
China, Main	48.9	29.6	15.9	94.4	53.1	29.2	17.0	99.3		
India	94.4	34.0	14.1	142.4	96.7	38.9	13.4	149.0		
	(85.4)	(30.7)	(12.8)	129.0	(87.6)	(35.2)	(12.1)	(134.9)		
Indonesia	52.3	23.3	31.1	106.7	49.7	25.3	28.7	103.7		
Japan	87.6	79.3	62.6	229.6	79.5	76.4	51.3	207.1		
Rep. of Korea	152.7	64.8	63.5	281.0	151.9	71.4	63.2	286.4		
Malaysia	80.2	44.4	157.8	282.4	73.4	40.7	142.9	256.9		
Nepal	25.7	11.4	0.5	37.6	25.9	7.3	0.7	33.9		

(Contd.)

Continent/Country	2014				2015			
	N (2)	P ₂ O ₅ (3)	K ₂ O (4)	Total (5)	N (6)	P ₂ O ₅ (7)	K ₂ O (8)	Total (9)
Pakistan	91.4	26.9	0.9	119.3	74.0	27.8	0.6	102.3
Sri Lanka	72.7	26.9	33.2	132.8	82.9	25.3	38.6	146.9
Thailand	63.7	22.5	29.2	115.4	56.1	18.7	23.9	98.8
Turkey	38.7	14.8	3.0	56.5	38.6	15.2	3.4	57.2
Vietnam	124.5	64.4	55.2	244.1	138.6	65.4	49.6	253.6
Europe				-				-
Belarus	59.7	17.5	70.6	147.7	54.8	18.1	60.7	133.5
Denmark	77.5	12.2	24.3	114.0	87.5	12.4	24.7	124.6
France	76.3	14.2	15.9	106.4	76.9	14.8	14.4	106.1
Germany	109.0	18.0	27.5	154.5	102.3	17.2	23.8	143.3
Netherlands	99.5	7.6	13.0	120.2	103.3	7.8	13.6	124.7
Poland	69.6	21.1	33.6	124.3	72.8	22.7	36.7	132.3
Russian Fedn.	6.8	2.8	1.6	11.3	7.8	2.8	1.6	12.3
Spain	38.2	15.2	13.7	67.0	37.1	14.6	14.0	65.7
UK	60.8	11.6	15.8	88.2	59.5	11.6	15.7	86.8
Ukraine	28.6	5.2	5.5	39.2	29.5	6.2	5.3	41.0
Oceania								
Australia	3.5	2.3	0.6	6.3	3.1	2.4	0.5	6.0
New Zealand	38.5	32.1	11.8	82.5	38.4	28.6	11.8	78.8
World	20.9	9.4	6.8	37.1	21.2	9.5	6.8	37.5

Source: Fertiliser Statistics - 2016-17, The Fertiliser Association of India, New Delhi.

Note: 1. Data for Agricultural Land is for the year 2014.

2. Figures in parentheses indicate fertiliser consumption per hectare of Gross Cropped Area (GCA).

3. Data for GCA pertain to 2014-15

Table 14.5(b): Fertiliser Consumption per Hectare of Arable Land and Land under Permanent Crops in selected Countries

Continent/Country	2014				2015				(Kg/ Hectare)
	N (2)	P ₂ O ₅ (3)	K ₂ O (4)	Total (5)	N (6)	P ₂ O ₅ (7)	K ₂ O (8)	Total (9)	
Africa									
Egypt	299.7	48.3	16.8	364.8	325.4	46.5	17.1	388.9	
Morocco	23.5	22.6	3.0	49.1	23.7	23.1	3.5	50.3	
South Africa	33.8	14.9	9.9	58.7	30.5	14.5	9.6	54.6	
N & C America									
Canada	50.8	18.7	7.9	77.5	50.1	20.2	7.5	77.8	
USA	75.5	26.0	28.3	129.7	78.0	27.1	30.0	135.2	
South America									
Brazil	44.7	54.9	62.3	161.9	40.8	50.8	59.6	151.2	
Chile	110.7	73.9	57.6	242.2	112.4	71.3	55.4	239.0	
Mexico	58.6	14.3	8.5	81.4	52.9	13.7	10.6	77.2	
Asia									
Bangladesh	155.5	71.4	51.2	278.0	148.0	76.0	53.6	277.5	
China	206.7	125.3	67.2	399.1	224.6	123.6	71.7	420.0	
India	100.1 (85.4)	36.0 (30.7)	15.0 (12.8)	151.0 (129.0)	102.6 (87.6)	41.2 (35.2)	14.2 (12.1)	158.0 (134.9)	
Indonesia	64.8	28.9	38.5	132.2	61.6	31.4	35.5	128.5	
Japan	87.6	79.3	62.6	229.6	79.5	76.4	51.3	207.1	
Rep. of Korea	157.9	67.0	65.6	290.5	157.0	73.8	65.3	296.2	
Malaysia	83.2	46.1	163.8	293.1	76.1	42.2	148.3	266.6	
Nepal	45.5	20.1	0.9	66.5	45.9	12.9	1.3	60.1	
Pakistan	106.1	31.2	1.1	138.3	85.8	32.2	0.6	118.7	
Sri Lanka	86.7	32.0	39.6	158.2	98.8	30.2	46.0	175.0	

(Contd.)

Continent/Country	2014					2015				
	N (2)	P ₂ O ₅ (3)	K ₂ O (4)	Total (5)	N (6)	P ₂ O ₅ (7)	K ₂ O (8)	Total (9)		
Thailand	66.1	23.4	30.3	119.7	58.2	19.5	24.8	102.5		
Turkey	62.3	23.8	4.9	91.1	62.1	24.5	5.5	92.1		
Vietnam	132.3	68.4	58.6	259.4	147.3	69.5	52.7	269.5		
Europe										
Belarus	89.0	26.1	105.2	220.3	81.7	27.0	90.5	199.2		
Denmark	83.6	13.2	26.3	123.1	94.4	13.4	26.7	134.5		
France	113.5	21.2	23.6	158.3	114.5	22.0	21.5	157.9		
Germany	151.0	25.0	38.1	214.0	141.7	23.9	32.9	198.5		
Netherlands	169.2	12.9	22.2	202.4	175.7	13.3	23.1	212.2		
Poland	88.8	26.9	42.9	158.6	92.9	29.0	46.9	168.8		
Russian Fedn.	11.9	4.9	2.8	19.7	13.7	4.9	2.8	21.4		
Spain	59.0	23.4	21.2	103.7	57.4	22.6	21.6	101.6		
UK	166.8	31.9	43.3	241.9	163.4	31.9	43.0	238.3		
Ukraine	35.3	6.4	6.7	48.5	36.4	7.7	6.5	50.6		
Oceania										
Australia	29.8	19.4	4.9	54.1	26.9	20.4	4.4	51.7		
New Zealand	651.9	542.9	200.5	1,395.3	649.8	484.5	199.7	1,333.9		
World	64.7	29.0	21.2	114.8	65.5	29.3	21.1	116.0		

Source: Fertiliser Statistics - 2016-17, The Fertiliser Association of India, New Delhi.

Note: 1. Data for Arable Land and Land Under Permanent Crops is for the year 2014.

2. Figures in parentheses indicate Fertiliser consumption per hectare of Gross Cropped Area (GCA).

3. Data for GCA pertain to 2014-15.

Table 14.6 (a): Application of Fertilisers on Paddy and Wheat in India

Particulars	(Quantity in Kgs.)													
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	
I. Paddy														
Quantity of Paddy required to Buy														
(a) 1 kg N	1.84	1.69	1.41	1.17	1.05	1.15	1.07	0.93	0.89	0.86	0.87	0.83	0.79	
(b) 1 kg of P ₂ O ₅														
- as SSP	2.85	2.72	2.27	2.36	2.13	2.00	1.85	3.50	3.16	3.50	3.32	3.07	2.99	
	to	to	to				to							
	4.72	4.34	3.61				3.64							
- as DAP	2.85	2.62	2.18	1.80	1.62	1.71	1.75	3.81	3.39	3.45	3.45	2.94	2.65	
	to	to	to			to	to							
						1.89	3.67							
- as complex	3.08	2.83	2.36	1.80	1.62	2.02	NA	NA	NA	NA	NA	NA	NA	
	to	to	to			to								
	5.21	4.79	3.99			3.00								
(c) 1 kg of K ₂ O	1.30	1.20	1.00	0.83	0.74	0.84	0.93	2.27	2.04	2.02	1.89	1.25	1.18	
	to	to	to			to	to							
							1.86							
II. Wheat														
Quantity of Wheat required to Buy														
(a) 1 kg N	1.50	1.40	1.05	0.97	0.95	0.99	0.90	0.86	0.83	0.80	0.80	0.75	0.70	

(Contd.)

Particulars	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18(P)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
(b) 1 kg of P_2O_5													
- as SSP	2.32	2.25	1.69	1.97	1.93	1.71	1.56	3.24	2.96	3.28	3.07	2.78	2.67
	to	to	to				to						
	3.84	3.58	2.69				3.06						
- as DAP	2.32	2.16	1.62	1.50	1.47	1.46	1.47	3.53	3.17	3.24	3.19	2.66	2.37
							to						
							3.08						
- as complex	2.51	2.34	1.76	1.50	1.47	1.72	NA	NA	NA	NA	NA	NA	NA
	to	to	to			to							
	4.25	3.96	2.97			2.56							
(c) 1 kg of K_2O	1.06	0.99	0.74	0.69	0.68	0.72	0.78	2.10	1.91	1.90	1.75	1.13	1.06
							to						
							1.57						

Source: Fertiliser Statistics - 2016-17, The Fertiliser Association of India, New Delhi.

Table 14.6 (b) : State-wise Status of Soil Health Card Scheme- Cycle-I

(Status as on 20-02-2018)

Sl. No.	States	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Cumulative Target for Soil Samples Collection & Testing during Cycle-I (2015-16 & 2016-17)	No. of Samples Collected (Cycle-I)	No. of Samples Tested (Cycle-I)	Cumulative Target for Printing & Distribution of SHCs for Cycle-I (2015-16 & 2016-17)	No. of SHCs Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)		
Group - I									
1	Uttar Pradesh **	4770399	4770399	4770399	16991000	16581748	16581748		16581748
2	Maharashtra	2347121	2347121	2347121	12977232	12977232	12977232		12977232
3	Madhya Pradesh *	2313977	2313977	2313977	8872377	8872377	8872377		8872377
4	Rajasthan *	2308013	2308013	2308013	6886000	6886000	6886000		6886000
Group - II									
1	Karnataka *	1665765	1665765	1665765	7832189	7832204	7832204		7832204
2	Gujarat *	1589236	1589236	1589236	5108923	5108923	5108923		5108923
3	Andhra Pradesh	1348382	1348382	1348382	7455204	7455204	7455204		7455204
4	Bihar *	1308778	1308778	1308778	6469650	6469650	6469650		6469650
5	West Bengal *	1300349	1300349	1300349	5040510	5040510	5040510		4139000
6	Tamil Nadu *	1274536	1274536	1274536	7000000	7000000	7000000		7000000
7	Telangana	1034678	1034678	1034678	5720737	5720737	5720737		5720737
Group - III									
1	Punjab *	835526	835526	482145	1053000	937406	900431		900431
2	Haryana *	788670	788670	788670	4227238	4227238	4227238		4227238
3	Chhattisgarh	703691	703691	703691	3890709	3890709	3890709		3890709
4	Odisha *	668635	668635	668635	2374233	2374233	2374233		2374233
Group - IV									
1	Kerala	127585	127585	127585	705420	705420	705420		705420

(Contd.)

Sl. No.	States	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		Cumulative Target for Soil Samples Collection & Testing during Cycle-I (2015-16 & 2016-17)	No. of Samples Collected (Cycle-I)	No. of Samples Tested (Cycle-I)	Cumulative Target for Printing & Distribution of SHCs for Cycle-I (2015-16 & 2016-17)	No. of SHCs Printed (Cycle-I)	No. of SHCs Distributed (Cycle-I)		
2	Goa *	25000	25000	25000	25000	25000	25000	25000	25000
3	Uttarakhand	135738	135738	135738	750494	750494	750494	750494	750494
4	Himachal Pradesh	69635	69635	69635	385011	385011	385011	385011	385011
5	J & K *	160687	160687	160687	692062	692062	692062	692062	692062
6	Jharkhand	115302	115302	115302	637507	637507	637507	637507	637507
7	Arunachal Pradesh *	20532	20532	20532	20532	20532	20532	20532	20532
8	Assam	278707	278707	278707	1540968	1540968	675334	230027	230027
9	Manipur	20713	20713	20713	114522	114522	114522	114522	114522
10	Meghalaya *	39372	39372	39372	209561	209561	209561	209561	209561
11	Mizoram	11986	11986	11986	11986	11986	11986	11986	11986
12	Nagaland	33423	33423	33423	184797	184797	184797	184797	184797
13	Sikkim *	13217	13217	13217	46000	46000	46000	46000	46000
14	Tripura *	32736	32736	32736	117723	117723	117723	117723	117723
Union Territories									
1	Andaman & Nicobar *	1405	1405	1405	10000	10000	10000	10000	10000
2	Dadar Nagar & Haveli *	2162	2162	2162	2162	2162	2162	2162	2162
3	Puducherry	3530	3530	3530	19594	19594	19594	19594	19594
Total		25349486	25349486	24996105	107372341	107372341	105981876	105981876	104598084

Source: Department of Agriculture, Cooperation & Farmers Welfare

* As per changed targets by States

** State that revised target twice

Table 14.6 (c): State-wise Status of Soil Health Card Scheme- Cycle-II

(Status as on 20-02-2018)

Sl. No.	States	Target for Soil Samples Collection & Testing during Cycle-II (2017-18)	No. of Samples Collected (Cycle-II)	No. of Samples Tested (Cycle-II)	Target for Printing & Distribution of SHCs for Cycle-II (2017-18)	No. of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Group - I							
1	Utar Pradesh **	2385200	2108367	1266927	11662730	1074766	467817
2	Maharashtra	1173561	1495437	1239632	6488616	2441389	2079442
3	Madhya Pradesh *	1156989	1071969	802130	4436189	2018400	2017388
4	Rajasthan *	1154007	622000	457000	3443000	1128000	923000
Group - II							
1	Karnataka *	832883	679767	544713	3916095	1415867	920802
2	Gujarat *	794618	833561	735828	2554462	0	0
3	Andhra Pradesh	674191	449084	283430	3727602	1011863	1011863
4	Bihar *	654389	569002	282996	3618117	1036844	925446
5	West Bengal *	650175	331000	190000	2520255	806000	0
6	Tamil Nadu *	637268	652245	595070	3500000	769587	628941
7	Telangana	517339	487627	345943	2860369	425529	100063
Group - III							
1	Punjab *	417763	339907	0	2309811	0	0
2	Haryana *	394335	622550	165740	2180278	47625	26268
3	Chhattisgarh	351846	468805	416950	1945355	1447665	1380566
4	Odisha *	334318	232146	176621	1848441	395193	333640
Group - IV							
1	Kerala	103392	0	0	2852208	0	0

(Contd.)

Sl. No.	States	Target for Soil Samples Collection & Testing during Cycle-II (2017-18)	No. of Samples Collected (Cycle-II)	No. of Samples Tested (Cycle-II)	Target for Printing & Distribution of SHCs for Cycle-II (2017-18)	No. of SHCs Printed (Cycle-II)	No. of SHCs Distributed (Cycle-II)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
2	Goa *	12500	6757	4453	12500	4223	4223
3	Uttarakhand	67869	67139	63461	375247	217157	198587
4	Himachal Pradesh	50000	56939	54558	480383	328743	328743
5	J & K *	82659	38361	17175	457022	71281	71281
6	Jharkhand	57651	47386	42390	318754	96367	96367
7	Arunachal Pradesh *	10266	0	0	56762	0	0
8	Assam	139354	0	0	770484	0	0
9	Manipur	10357	3542	1465	57261	0	0
10	Meghalaya *	19686	12972	9755	104781	35904	33519
11	Mizoram	5993	227	127	5993	5	5
12	Nagaland	16712	600	500	92399	0	0
13	Sikkim *	6609	0	0	23000	0	0
14	Tripura *	16368	11668	7795	58862	12343	12343
Union Territories							
1	Andaman & Nicobar *	703	570	333	3900	0	0
2	Dadar Nagar & Haveli *	1081	0	0	6000	0	0
3	Puducherry	1765	3223	2053	9797	0	0
Total		12731841	11212851	7707045	62696665	14784751	11560304

Source: Department of Agriculture, Cooperation & Farmers Welfare

* As per changed targets by States

** State that revised target twice

Table 14.7(a): Crop-wise requirement and availability of Certified/ Quality Seeds

(Lakh Quintals)

Year	2014-15			2015-16			2016-17			
	Require- ment (2)	Public (3)	Private (4)	Require- ment (6)	Public (7)	Private (8)	Require- ment (10)	Public (11)	Private (12)	Total (13)
Wheat	112.53	44.78	72.07	116.86	51.25	66.73	117.98	61.67	74.91	136.58
Paddy	84.8	46.46	46.46	92.92	47.96	47.14	95.1	87.74	63.14	100.47
Ragi	0.31	0.25	0.11	0.36	0.32	0.07	0.53	0.34	0.43	0.56
Barley	2.23	0.61	2.26	2.87	0.69	2.48	3.17	2.44	0.58	2.95
Maize	10.84	1.15	11.1	12.25	0.73	11.96	12.69	1.67	11.87	13.54
Bajra	2.42	0.16	2.53	2.69	0.27	2.57	2.84	0.25	2.39	2.64
Jowar	2.42	0.62	2.13	2.75	0.77	2.39	3.16	0.80	2.09	2.89
Other Cereals	0.03	0.02	0.02	0.04	0.01	0.06	0.06	0.04	0.05	0.09
Total	215.58	94.06	136.68	230.74	102.14	133.39	235.53	128.58	131.14	259.72
Gram	16.11	12.36	3.36	15.72	7.3	7.56	14.86	9.95	6.05	16.00
Urad	2.68	2	1.31	3.31	1.36	1.36	2.71	1.79	1.11	2.90
Cowpea	0.36	0.2	0.15	0.35	0.14	0.15	0.29	0.19	0.09	0.23
Moong	2.79	1.72	1.58	3.31	1.63	1.6	3.23	2.68	1.90	3.27
Horse Gram	0.17	0.07	0.11	0.18	0.04	0.18	0.22	0.26	0.10	0.36
Lentil	1.79	0.53	0.85	1.38	0.35	0.71	1.06	1.47	0.44	1.16
Lathyrus	0.01	0.01	-	0.01	0.01	0	0.01	0.08	0.05	0.08
Peas	1.96	0.5	1.06	1.57	0.59	1.24	1.83	1.41	1.50	2.91
Grain Amaranthus							0			0.00
Moth	0.25	0.07	0.06	0.14	0.02	0.11	0.13	0.20	0.10	0.21
Arhar	2.64	1.15	1.63	2.78	1.11	1.6	2.72	2.71	1.32	2.97
Rajma	0	0	-	0	0.06	0.03	0.06	0.02	0.04	0.04
Khesari	0.06	0.02	0.04	0.06	0.03	0.03	0.06			0.00

(Contd.)

Year	2014-15						2015-16						2016-17					
	Crop Name	Requirement		Availability		Total	Requirement		Availability		Total	Requirement		Availability		Total		
		(2)	(3)	(4)	(5)		(6)	(7)	(8)	(9)		(10)	(11)	(12)	(13)			
(1)	Indian bean	0.07	0	0.07	0.07	0.08	0.01	0.07	0.08	0.21	0.04	0.17	0.21	0.01	0.01	0.01		
	Rice bean	0	-	0	0	0	0	0	0	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
	Faba bean									0.81	0.17	0.77	0.94					
	Guar									0.00			0.00					
	Other Local Pulses																	
	Total	28.88	18.63	10.24	28.87	30.49	12.61	14.63	27.24	31.64	17.64	13.66	31.30					
	Castor	0.72	0.19	0.66	0.85	0.61	0.16	0.47	0.62	0.58	0.11	0.73	0.84					
	R/Mustard	2.64	1.45	1.25	2.7	2.52	1.19	1.46	2.65	2.49	1.24	1.23	2.47					
	Groundnut	28.47	18.1	11.9	29.99	24.3	(18)	11.72	23.64	23.48	15.78	9.38	25.16					
	Niger	0.02	0.01	0.01	0.02	0.01	0.01	0	0.01	0.01	0.01	0	0.01					
	Til	0.31	0.14	0.23	0.37	0.32	0.16	0.21	0.36	0.28	0.22	0.18	0.40					
	Linseed	0.12	0.01	0.08	0.08	0.08	0.01	0.03	0.04	0.13	0.07	0.04	0.11					
	Soybean	34.29	10.96	16.37	27.33	31.02	11.4	12.04	23.45	29.00	12.62	17.02	29.64					
	Sunflower	0.45	0.04	0.42	0.46	0.48	0.04	0.47	0.51	0.39	0.01	0.39	0.40					
	Safflower	0.12	0.02	0.1	0.12	0.1	0.02	0.09	0.11	0.12	0.02	0.11	0.13					
	Total	67.13	30.91	31.02	61.93	59.45	24.9	26.49	51.39	56.48	30.08	29.08	59.16					
	Cotton	2.22	0.05	2.57	2.63	1.95	0.22	1.86	2.08	2.22	0.13	2.22	2.35					
	Jute/Mesta	0.45	0.19	0.42	0.61	0.36	0.11	0.03	0.14	0.43	0.3	0.08	0.38					
	Total	2.68	0.24	3	3.24	2.31	0.33	1.89	2.22	2.65	0.43	2.30	2.73					
	Potato	27.19	6.74	18.11	24.85	28.64	6.91	19.19	26.1	36.53	7.26	19.82	27.09					
	Fodders	2.09	0.51	1.63	2.14	1.05	0.39	0.65	1.05	0.37	0.25	0.09	0.34					
	Grand Total	343.56	151.09	200.68	351.77	337.09	147.28	196.24	343.52	353.46	184.24	196.09	380.34					

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.7(b): Crop-wise Distribution of Certified/ Quality Seeds

Crops	(Lakh Quintals)																
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Cereals																	
Wheat	32.59	33.00	35.97	41.31	44.21	54.55	63.25	74.83	90.66	97.83	116.47	93.75	117.83	95.83	124.87		
Paddy	25.58	25.79	26.51	30.98	32.41	43.51	48.93	58.18	60.95	69.34	74.41	72.14	72.45	66.84	74.61	84.57	
Maize	2.75	3.42	3.38	4.13	4.64	5.74	5.80	7.94	7.74	8.94	9.35	9.07	11.20	11.72	17.71	12.90	
Jowar	2.20	2.15	2.37	2.31	2.28	2.32	2.38	2.41	2.24	2.16	1.99	2.29	2.06	1.74	2.02	2.01	
Bajra	1.80	1.79	1.76	1.76	2.17	2.16	1.90	2.20	1.74	2.31	2.27	2.14	2.20	1.94	3.58	2.20	
Ragi	0.14	0.24	0.21	0.25	0.22	0.21	0.27	0.25	0.05	0.26	0.26	0.29	0.29	0.35	0.30	0.27	
Barley	0.50	0.58	0.62	0.67	0.80	1.08	1.27	1.62	1.77	1.79	3.80	1.97	1.08	2.78	0.90	2.29	
Sub-Total (Cereals)	65.56	66.97	70.82	81.41	86.73	109.87	123.80	147.43	165.15	182.62	204.37	183.03	203.20	194.95	229.11		
Pulses																	
Gram	1.53	2.64	3.90	3.62	3.45	5.08	6.73	8.6	12.32	12.50	14.83	17.48	14.73	13.58	17.17		
Lentil	0.29	0.26	0.35	0.52	0.45	0.54	0.56	0.59	0.55	0.74	0.66	0.70	1.28	1.19	0.98	1.38	
Peas	0.31	0.37	0.60	0.61	0.82	0.93	1.10	1.29	2.07	1.47	1.36	1.79	3.17	2.03	1.73	1.89	
Urud	0.97	1.43	1.32	1.01	0.92	0.8	1.40	1.37	1.61	1.96	2.31	2.33	1.64	1.84	2.23	2.69	
Moong	0.83	0.81	1.21	0.76	0.77	0.23	1.34	1.23	1.29	1.76	2.00	2.13	1.95	2.00	1.83	2.30	
Arhar	0.64	0.64	0.64	0.72	0.77	0.85	1.18	1.09	1.37	1.52	1.92	1.80	1.73	1.69	1.88	2.50	
Cowpea	0.05	0.33	0.05	0.08	0.11	0.09	0.10	0.16	0.20	0.33	0.32	0.45	0.24	0.25	0.18	0.20	
Others	0.07	0.12	0.10	0.08	0.08	0.11	0.16	0.15	0.28	0.56	0.53	0.48	0.31	1.05	0.29	1.34	
Sub-Total (Pulses)	4.69	6.60	8.17	7.40	7.37	9.63	12.57	14.48	19.69	20.83	22.26	24.51	27.80	24.77	22.71	29.47	
Oilseeds																	
Groundnut	5.25	5.42	7.00	7.18	6.96	9.89	14.43	15.90	18.86	21.79	20.02	23.16	19.39	16.56	17.95	19.89	

(Contd.)

Crops	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Rapeseed & Mustard	0.86	0.82	0.91	1.31	1.24	1.36	1.71	1.63	2.09	2.07	2.56	1.88	1.63	2.13	1.15	2.40
Til	0.16	0.13	0.14	0.12	0.14	0.16	0.22	0.18	0.18	0.20	0.23	0.20	0.18	0.22	0.21	0.27
Sunflower	0.48	0.61	0.56	0.80	0.90	0.89	0.92	0.80	0.76	0.55	0.29	0.35	0.32	0.28	0.22	0.19
Soyabean	4.99	6.88	10.20	13.36	14.29	14.05	16.52	20.89	28.44	25.55	37.60	32.08	38.94	23.34	27.19	26.46
Linseed	0.02	0.01	0.01	0.01	0.01	0.02	0.02	0.01	0.01	0.04	0.02	0.02	0.05	0.04	0.04	0.05
Castorseed	0.26	0.37	0.39	0.41	0.50	0.36	0.42	0.42	0.29	0.31	0.67	0.68	0.51	0.55	0.58	0.62
Safflower	0.07	0.07	0.04	0.08	0.08	0.07	0.08	0.09	0.07	0.08	0.09	0.04	0.06	0.03	0.09	0.09
Others	0.01	0.04	0.14	0.15	0.23	0.20	0.01		0.01	0.01	0.01		0.01	0.04	0.01	0.01
Sub-Total (Oilseeds)	12.10	13.36	19.39	23.42	24.35	27.00	34.33	39.92	50.71	50.61	61.49	58.41	61.09	43.03	47.44	49.97
Fibres																
Cotton	2.62	2.31	2.45	2.56	2.69	2.45	1.89	2.27	2.36	2.33	2.53	2.50	2.28	2.22	1.98	1.85
Jute	0.21	0.19	0.20	0.19	0.19	0.26	0.24	0.28	0.27	0.27	0.32	0.30	0.30	0.33	0.32	0.32
Mesta/Others	0.06	0.24	0.13	0.01	0.01	0.34	0.50	0.03	0.02	0.04	0.24	0.15	0.29	1.31	0.19	0.00
Sub-Total (Fibers)	2.89	2.74	2.78	2.76	2.89	3.05	2.63	2.58	2.65	2.64	3.09	2.95	2.87	3.86	2.49	2.17
Other Miscellaneous																
Potato	6.33	7.16	7.01	5.05	5.08	5.12	5.35	10.55	18.68	20.08	16.68	21.47	24.63	28.12	33.88	0.38
Others	0.23	0.21	0.23	0.22	0.33	0.34	0.37	0.85	0.23	0.55	1.64	1.73	1.97	0.14	2.57	0.33
Sub-Total (Other Miscs.)	6.56	7.37	7.24	5.27	5.41	5.46	5.72	11.40	18.91	20.63	18.32	23.20	26.60	28.26	36.45	0.71
Grand Total	91.80	97.04	108.40	120.26	126.75	155.01	179.05	215.81	257.11	277.34	294.85	313.44	301.39	303.12	304.04	348.58

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.7(e): Crop-wise requirement and availability of Certified/ Quality of Hybrid Seeds
(Thousand Tonnes)

S. No.	Crop	2011-12		2012-13		2013-14		2014-15		2015-16		2016-17	
		Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.	Req.	Av.
(1)	(2)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1	Paddy	9.90	9.20	31.60	31.30	42.80	34.20	15.10	19.50	38.50	61.40	19.21	22.09
2	Maize	101.70	122.00	97.00	103.40	94.00	96.60	93.50	106.90	101.60	120.50	100.20	125.29
3	Jowar	13.00	13.90	13.20	13.90	7.90	10.20	15.60	19.00	17.70	20.00	13.25	19.57
4	Bajra	24.60	28.40	24.00	27.10	23.60	33.20	21.00	24.80	24.10	26.60	19.64	24.98
5	Arhar	0.02	0.02	0.00	0.01	0.00	0.00	0.09	0.09	0.10	0.00	0.00	0.00
6	Sunflower	6.90	9.60	6.40	6.60	4.90	5.40	2.90	3.00	4.40	4.60	6.10	6.26
7	Safflower	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Castor	3.37	4.50	4.00	4.30	3.40	4.30	7.10	8.40	6.00	6.10	4.91	5.78
9	Cotton	19.50	22.50	22.40	25.40	15.90	17.90	17.90	21.70	18.70	19.80	18.36	19.73
	TOTAL	179.00	210.12	198.60	212.01	192.50	201.80	173.19	203.39	211.10	259.00	181.68	223.69

Source: Department of Agriculture, Cooperation & Farmers Welfare

Req.: Requirement Av.: Availability

Table 14.8(a): Consumption of Electricity for Agricultural Purposes

Year	Consumption for Agricultural Purposes (GWh)	Total Consumption (GWh)	% Share of Agricultural Consumption to Total Consumption
(1)	(2)	(3)	(4)
1983-84	18234	102344	17.82
1984-85	20960	114068	18.38
1985-86	23422	122999	19.04
1986-87	29444	135952	21.66
1987-88	35267	145613	24.22
1988-89	38878	160196	24.27
1989-90	44056	175419	25.11
1990-91	50321	190357	26.44
1991-92	58557	207645	28.20
1992-93	63328	220674	28.70
1993-94	70699	238569	29.63
1994-95	79301	259630	30.54
1995-96	85732	277029	30.95
1996-97	84019	280206	29.98
1997-98	91242	296749	30.75
1998-99	97195	309734	31.38
1999-00	90934	312841	29.07
2000-01	84729	316600	26.76
2001-02	81673	322459	25.33
2002-03	84486	339598	24.88
2003-04	87089	360937	24.13
2004-05	88555	386134	22.93
2005-06	90292	411887	21.92
2006-07	99023	455748	21.73
2007-08	104182	501977	20.75
2008-09	107776	527564	20.43
2009-10	119492	569618	20.98
2010-11	126377	616969	20.48
2011-12	140960	672933	20.95
2012-13	147462	708843	20.80
2013-14	152744	751908	20.31
2014-15	168913	814250	20.74
2015-16	173185	863364	20.06

Source : Central Electricity Authority, New Delhi

Table 14.8(b) : State-wise Consumption of Electricity for Agriculture purpose

State/UTs	2014-15			2015-16		
	(2)	(3)	(4)	(5)	(6)	(7)
	Agriculture	Total Energy Sold	% Share of Consumption of Agriculture	Agriculture	Total Energy Sold	% Share of Consumption of Agriculture
NORTHERN REGION						
Chandigarh	1.67	1471.66	0.11	1.83	1496.98	0.12
Delhi	13.04	24775.02	0.05	29.58	25658.17	0.12
Haryana	9654.38	32197.33	29.99	9506.00	35092.26	27.09
Himachal Pradesh	547.72	7841.52	6.98	51.65	7957.79	0.65
Jammu & Kashmir	310.86	6372.00	4.88	305.00	7143.92	4.27
Punjab	10223.57	39383.82	25.96	11513.88	40843.00	28.19
Rajasthan	19088.87	49920.12	38.24	19968.35	50358.78	39.65
Uttar Pradesh	11755.28	64706.68	18.17	12671.19	70966.90	17.86
Uttarakhand	108.10	9980.11	1.08	141.03	10298.14	1.37
Sub-Total (NR)	51703.49	236648.26	21.85	54188.51	249815.94	21.69
WESTERN REGION						
Chhattisgarh	3112.28	17101.55	18.20	4025.24	18886.90	21.31
Gujarat	15942.82	73889.76	21.58	11204.49	77027.77	14.55
Madhya Pradesh	15068.90	41757.01	36.09	18868.19	46384.45	40.68
Maharashtra	26632.69	108496.08	24.55	28396.58	115355.69	24.62
Daman & Diu	2.30	1594.96	0.14	2.46	1691.98	0.15

(Contd.)

State/UT's	2014-15			2015-16		
	Agriculture (2)	Total Energy Sold (3)	% Share of Consumption of Agriculture (4)	Agriculture (5)	Total Energy Sold (6)	% Share of Consumption of Agriculture (7)
D & N Haveli	4.31	5163.63	0.08	8.63	5548.24	0.16
Goa	30.00	3151.20	0.95	18.00	3391.20	0.53
Sub-Total (WR)	60793.30	251154.19	24.21	62523.59	268286.23	23.30
SOUTHERN REGION						
Andhra Pradesh	10899.60	41913.67	26.00	10970.00	44352.74	24.73
Telangana	12569.14	39638.88	31.71	11991.48	41288.97	29.04
Karnataka	17988.64	55165.52	32.61	19318.48	57223.18	33.76
Kerala	298.28	18785.92	1.59	288.16	19828.92	1.45
Tamil Nadu	12406.00	77617.76	15.98	11548.33	80083.19	14.42
Puducherry	67.00	2441.47	2.74	54.70	2468.14	2.22
Lakshadweep	0.00	44.63	0.00	0.00	45.60	0.00
Sub-Total (SR)	54228.66	235607.85	23.02	54171.15	245290.74	22.08
EASTERN REGION						
Bihar(Projected)	313.22	9807.30	3.19	344.33	13249.63	2.60
Jharkhand(Estimated) \$	89.03	16532.88	0.54	97.98	17541.57	0.56
Odisha	215.80	15439.85	1.40	265.83	16053.22	1.66
West Bengal \$	1492.07	39058.55	3.82	1524.26	42496.61	3.59
Sikkim	0.00	404.71	0.00	0.00	354.46	0.00

(Contd.)

State/UTs	2014-15			2015-16		
	Agriculture (2)	Total Energy Sold (3)	% Share of Consumption of Agriculture (4)	Agriculture (5)	Total Energy Sold (6)	% Share of Consumption of Agriculture (7)
A & N Islands	0.00	229.46	0.00	0.00	242.27	0.00
Sub-Total (ER)	2110.12	81472.75	2.59	2232.40	89937.75	2.48
NORTH EASTERN REGION						
Arunachal Pradesh	0.07	542.65	0.01	0.00	375.17	0.00
Assam	39.00	5484.00	0.71	34.00	6199.00	0.55
Manipur	6.06	465.10	1.30	1.79	474.98	0.38
Meghalaya	0.10	1232.52	0.01	0.00	1283.18	0.00
Mizoram	0.04	327.22	0.01	0.02	338.50	0.01
Nagaland	0.00	529.34	0.00	0.00	549.47	0.00
Tripura	32.62	786.13	4.15	33.91	813.06	4.17
Sub-Total (NER)	77.89	9366.96	0.83	69.72	10033.36	0.69
Total (All India)	168913.46	814250.01	20.74	173185.37	863364.02	20.06

Source: Central Electricity Authority, New Delhi
GWh: Giga Watt-hour

Table 14.9 (a): Flow of Institutional Credit to Agriculture Sector

Particulars/Agency	2007-08	2008-09	2009-10	2010-11	2011-12	2012-13	2013-14*	2014-15*	2015-16*	2016-17*
	(2)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
I. Production (ST) Credit										
Co-operative Banks	43294	40164	56946	69038	81829	102592	113574	130350	143803	131880
RRBs	21133	22413	29802	38121	47401	55957	70697	89326	101579	105001
Commercial Banks	116966	147818	189908	228391	266928	314951	364164	415736	419930	452576
Other Agencies		66								
Sub Total (A)	181393	210461	276656	335550	396158	473500	548435	635412	665312	689457
II. MT/LT Credit										
Co-operative Banks	4964	5802	6551	9083	6134	8611	6389	8119	9492	10878
RRBs	4179	4352	5415	6172	7049	7724	11956	13157	17681	18215
Commercial Banks	64122	81133	95892	117486	101688	117540	163342	188640	223024	347205
Other Agencies		160								
Sub Total (B)	73265	91447	107858	132741	114871	133875	181687	209916	250197	376298
Total Credit (ST + MT/LT)										
Co-operative Banks	48258	45966	63497	78121	87963	111203	119963	138469	153295	142758
RRBs	25312	26765	35217	44293	54450	63681	82653	102483	119260	123216
Commercial Banks	181088	228951	285800	345877	368616	432491	527506	604376	642954	799781
Other Agencies		226								
Grand Total (A+B)	254658	301908	384514	468291	511029	607375	730122	845328	915509	1065755

Source: Department of Agriculture, Cooperation & Farmers Welfare

* Figures have been revised based on the updated information from the respective agency.

ST: Short Term

LT: Long Term

MT: Medium Term

Table 14.9 (b): State-wise Agriculture Loan disbursed in 2016-17

Sl. No	State	Crop Loan			Term Loan			Total	
		No. of A/cs (5)	Amount disbursed (6)	No. of A/cs (7)	Amount disbursed (8)	No. of A/cs (9)	Amount disbursed (10)		
1	Andaman & Nicobar	3106	35.97	12324	99.01	15430	134.98		
2	Andhra Pradesh	8564229	61391.48	1987552	31477.14	10551780	92868.62		
3	Arunachal Pradesh	4038	27.77	3929	104.81	7970	132.59		
4	Assam	389927	1568.20	644342	4533.88	1034270	6102.07		
5	Bihar	2915485	14218.62	1591899	11965.96	4507380	26184.58		
6	Chandigarh	3965	752.79	3703	653.16	7670	1405.95		
7	Chhattisgarh	1546495	9363.50	149578	2873.92	1696070	12237.42		
8	Dadra & Nagar Haveli	2373	27.13	2483	53.04	4860	80.17		
9	Daman & Diu	1038	12.79	1070	21.79	2110	34.58		
10	Delhi	49643	8377.70	27900	11563.95	77540	19941.65		
11	Goa	21465	218.85	30116	792.43	51580	1011.28		
12	Gujarat	2950015	33864.46	543991	20412.24	3494010	54276.70		
13	Haryana	2441825	36274.86	254526	13206.21	2696350	49481.07		
14	Himachal Pradesh	568625	4419.53	122854	1696.61	691480	6116.15		
15	Jammu & Kashmir	618131	6702.30	28227	594.44	646360	7296.74		
16	Jharkhand	984021	2821.40	162742	1558.59	1146760	4379.99		
17	Karnataka	5236672	41677.18	1702708	36405.55	6939380	78082.72		
18	Kerala	5556736	44415.65	880627	23323.12	6437360	67738.76		
19	Lakshadweep	91	0.55	436	2.72	530	3.27		

(Contd.)

Sl. No	State	Crop Loan			Term Loan			Total	
		No. of A/cs (5)	Amount disbursed (6)	No. of A/cs (7)	Amount disbursed (8)	No. of A/cs (9)	Amount disbursed (10)		
20	Madhya Pradesh	6031358	42909.85	679267	13239.22	6710630	56149.06		
21	Maharashtra	6131937	41338.83	2054076	40045.01	8186010	81383.84		
22	Manipur	13754	58.99	13903	192.13	27660	251.12		
23	Meghalaya	36054	281.70	8449	86.61	44500	368.31		
24	Mizoram	7254	30.36	7364	84.00	14620	114.36		
25	Nagaland	21304	72.90	4026	56.49	25330	129.39		
26	Odisha	4303372	15811.64	541193	5453.32	4844570	21264.96		
27	Puducherry	455869	3338.56	161560	1951.52	617430	5290.08		
28	Punjab	2475410	58034.30	357667	16267.16	2833080	74301.47		
29	Rajasthan	6078995	57875.53	578717	16428.32	6657710	74303.86		
30	Sikkim	5027	107.97	4079	53.72	9110	161.70		
31	Tamil Nadu	11380278	79593.90	4248445	52550.67	15628723	132144.57		
32	Telangana	5030368	47289.22	862226	20596.13	5892594	67885.35		
33	Tripura	86806	335.08	220226	1178.05	307032	1513.13		
34	Uttarakhand	431862	3671.18	97715	2834.26	529577	6505.43		
35	Uttar Pradesh	9011923	59592.66	929680	21991.35	9941603	81584.01		
36	West Bengal	2700529	12943.91	2088810	21951.82	4789339	34895.72		
	Total	86059980	689457.32	21008411	376298.35	107068391	1065755.67		

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.10: State-wise and Agency-wise KCCs - Issued and Amount Outstanding as on 31 March 2017 (Cumulative)

(Amount in ₹ crore and Number in lakh)

Sl. No.	State/UT	Commercial Banks		Cooperative Banks		RRBs		Total	
		Cumulative cards issued since inception	Amount outstanding	Cumulative cards issued since inception	Amount outstanding	Cumulative cards issued since inception	Amount outstanding	Cumulative cards issued since inception	Amount outstanding
(1)	(2)	(5)	(6)	(7)	(8)	(9)	(10)		
1	A & N Islands	0.05	2.83	0.09	11.93	0.00	0.00	0.14	14.76
2	Andhra Pradesh	130.23	21295.41	23.55	6862.49	17.23	6574.02	171.01	34731.92
3	Arunachal Pradesh	0.39	54.68	0.01	1.97	0.07	13.21	0.47	69.86
4	Assam	10.77	2746.55	0.04	11.60	6.49	988.56	17.30	3746.71
5	Bihar	42.18	10068.21	2.04	316.40	37.43	8436.18	81.64	18820.79
6	Chandigarh	0.09	494.27					0.09	494.27
7	Chhattisgarh	6.06	3759.53	21.71	1163.95	3.99	1020.56	31.77	5944.04
8	Dadra & Nagar Haveli	0.02	7.61					0.02	7.61
9	Daman & Diu	0.01	3.79					0.01	3.79
10	Delhi	0.37	118.80	0.01	10.45	0.00	0.00	0.38	129.25
11	Goa	0.22	125.03	0.04	16.40	0.00	0.00	0.25	141.43
12	Gujarat	25.29	22591.34	21.23	7818.47	6.37	3596.61	52.89	34006.42
13	Haryana	19.97	24964.53	18.50	8707.42	5.05	3458.94	43.53	37130.89
14	Himachal Pradesh	4.54	3294.15	1.33	1191.25	0.87	461.53	6.73	4946.93
15	Jammu & Kashmir	4.97	3423.42	0.15	36.66	1.39	534.32	6.51	3994.40
16	Jharkhand	17.01	2431.82	0.39	34.98	8.10	1231.98	25.50	3698.78
17	Karnataka	52.17	20504.67	37.41	10734.27	16.57	8534.74	106.15	39773.68
18	Kerala	25.02	8570.96	12.21	2830.58	3.38	1203.59	40.61	12605.13
19	Lakshadweep	0.03	2.44					0.03	2.44

(Contd.)

Sl. No.	State/UT	Commercial Banks			Cooperative Banks			RRBs			Total	
		(5) Cumulative cards issued since inception	(6) Amount outstanding	(7) Cumulative cards issued since inception	(8) Amount outstanding	(9) Cumulative cards issued since inception	(10) Amount outstanding	Cumulative cards issued since inception	Amount outstanding			
20	Madhya Pradesh	37.41	31834.71	81.07	12196.24	11.54	6369.00	130.02	50399.95			
21	Maharashtra	74.77	30821.13	63.09	18150.22	8.07	3378.52	145.92	52349.87			
22	Manipur	0.41	103.37	0.00	0.03	0.17	22.20	0.58	125.60			
23	Meghalaya	1.39	301.75	0.24	31.66	0.44	88.27	2.07	421.68			
24	Mizoram	0.37	83.24	0.01	0.00	0.15	91.28	0.53	174.52			
25	Nagaland	0.86	158.88	0.06	13.56	0.02	1.70	0.95	174.14			
26	Odisha	27.25	3380.06	53.07	7767.97	13.37	2310.37	93.69	13458.40			
27	Puducherry	1.39	472.73	0.09	3.33	0.03	10.03	1.51	486.09			
28	Punjab	27.98	46685.33	14.82	7231.79	2.92	3872.69	45.72	57789.81			
29	Rajasthan	47.73	46145.56	51.44	9787.59	13.14	10979.21	112.31	66912.36			
30	Sikkim	0.27	28.53	0.12	10.00	0.00		0.39	38.52			
31	Tamil Nadu	72.41	9508.38	19.66	4230.63	6.80	1822.88	98.88	15561.89			
32	Telangana	77.24	17335.55	15.26	2703.82	26.55	6888.07	119.06	26927.44			
33	Tripura	3.70	235.28	1.10	55.76	2.41	150.51	7.21	441.55			
34	Uttarakhand	13.90	6223.74	5.25	964.63	1.09	302.50	20.25	7490.87			
35	Uttar Pradesh	142.15	61096.56	66.47	5827.83	70.39	27716.17	279.02	94640.56			
36	West Bengal	52.26	4664.32	27.87	3479.58	11.47	2359.10	91.60	10503.00			
	Total	920.89	383539.16	538.36	112203.46	275.49	102416.74	1734.73	598159.36			

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.11(a): State-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	GoI Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
1	Andhra Pradesh	30648640	46467871	6576696	172126.36	8311.48	8311.48	188749.32	507714.41	504564.34	7030691
2	Assam	422654	309427	90822	2269.20	130.77	130.77	2530.74	1693.36	1693.35	66123
3	Bihar	10707824	11710269	2829879	57771.32	2566.75	2566.75	62904.82	406422.77	345926.89	4439281
4	Chhattisgarh	11802512	23539517	1504999	35314.54	1955.61	906.27	38176.43	109830.63	109830.63	2389516
5	Goa	8211	13440	318	4.31	0.73	0.60	5.65	2.36	2.36	702
6	Gujarat	15496182	35194683	4931871	179895.79	15697.38	7080.19	202673.36	880389.98	880389.99	5500924
7	Haryana	635778	769038	83496	2345.73	34.13	34.13	2413.98	4336.39	4336.40	129424
8	Himachal Pradesh	372427	292222	78533	900.42	668.81	87.87	1657.10	2252.03	2252.03	114714
9	Jharkhand	6931179	4247333	459685	10461.03	353.70	353.70	11168.42	75038.95	73719.33	2582643
10	Karnataka	14359973	22589874	2013980	54238.73	1861.45	1812.38	57912.56	282810.58	282810.58	6099362
11	Kerala	461282	414761	87166	1629.98	125.80	125.80	1881.59	3062.82	3062.82	85472
12	Madhya Pradesh	43800967	103200640	10011469	260721.09	3598.23	3598.23	267917.55	1027533.17	1026262.67	9988946
13	Maharashtra	51771827	40870934	3972297	127454.43	33428.33	8589.86	169472.62	983894.15	983894.16	24812509
14	Manipur	35645	57472	14812	348.42	10.16	10.16	368.73	1226.20	1226.20	29932
15	Meghalaya	36357	36343	7473	277.09	21.32	21.32	319.72	68.46	68.46	3600
16	Mizoram	121	134	23	0.53	0.03	0.03	0.58	11.23	11.23	119
17	Odisha	19975543	19460413	3623795	81722.19	4494.70	4494.70	90711.59	387731.54	387731.54	4408909

(Contd.)

S. No.	State / UT's	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	Govt Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
18	Rajasthan	15058674	31379980	1620309	45016.74	368.81	368.81	45754.35	262165.99	262165.99	5200566
19	Sikkim	2062	1445	352	6.78	0.47	0.47	7.72	1.28	1.28	86
20	Tamil Nadu	8308820	10560218	2584558	33920.55	31077.06	2291.01	67288.62	350674.79	350633.69	3260202
21	Telangana	1335400	1580373	679160	17820.53	794.28	794.28	19409.09	34477.18	4773.78	539401
22	Tripura	21248	14086	3302	80.68	4.86	4.86	90.39	58.55	58.31	3450
23	Uttar Pradesh	23426012	31070386	3353782	63262.82	2609.59	2609.59	68482.01	116937.52	116937.52	4517617
24	Uttarakhand	399156	372509	87098	1799.49	89.32	89.32	1978.13	4188.31	4188.31	119370
25	West Bengal	15115452	7428042	2109729	50201.05	53334.50	5776.08	109311.63	172568.34	171225.92	3594384
26	A & N Islands	4773	7148	2300	3.25	45.00	15.48	63.73	116.41	115.22	1102
27	Puducherry	43258	59993	11670	137.23	72.97	17.89	228.10	316.95	313.75	7269
28	Jammu & Kashmir	49065	68995	10902	197.86	7.97	7.97	213.80	126.42	126.42	4492
	Total	271231042.00	391717546.64	46750475.99	1199928.15	161664.21	50099.99	1411692.35	5615650.79	5518323.18	84930806.00

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.11 (b): Season-wise National Agricultural Insurance Scheme (NAIS)-Cumulative upto Rabi 2015-16

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	GoI Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited	(₹ in lakh)	
												(1)	(2)
1	Rabi 1999-00	579940	780569	35641	376.78	82.85	82.85	542.48	769.26	769.26	55288		
2	Kharif 2000	8409374	13219829	690338	15933.68	2369.94	2369.94	20673.55	122248.15	122248.15	3635252		
3	Rabi 2000-01	2091733	3111423	160268	1955.23	411.77	411.77	2778.76	5948.63	5948.63	526697		
	Total 2000-01	10501107	16331252	850607	17888.91	2781.70	2781.70	23452.31	128196.78	128196.78	4161949		
4	Kharif 2001	8696587	12887710	750246	21399.68	2381.07	2381.07	26161.82	49363.57	49363.57	1741906		
5	Rabi 2001-02	1955431	3145873	149751	2237.00	388.90	388.90	3014.79	6465.80	6465.80	453325		
	Total 2001-02	10652018	16033583	899997	23636.68	2769.97	2769.97	29176.61	55829.37	55829.37	2195231		
6	Kharif 2002	9768711	15532349	943169	28060.29	2243.19	2243.19	32546.68	182439.20	182439.20	4297155		
7	Rabi 2002-03	2326811	4037824	183755	3177.63	336.41	336.41	3850.44	18854.84	18854.84	926408		
	Total 2002-03	12095522	19570173	1126924	31237.92	2579.60	2579.60	36397.12	201294.04	201294.04	5223563		
8	Kharif 2003	7970830	12355514	811413	25888.61	1222.29	1222.29	28333.19	65268.61	65268.61	1712271		
9	Rabi 2003-04	4421287	6468663	304949	5781.70	312.09	312.09	6405.87	49710.37	49710.37	2098125		
	Total 2003-04	12392117	18824177	1116362	31670.31	1534.38	1534.38	34739.06	114978.98	114978.98	3810396		
10	Kharif 2004	12687104	24273394	1317062	43885.06	1004.61	1004.61	45894.28	103832.95	103832.95	2674746		
11	Rabi 2004-05	3531045	5343244	377421	7172.91	206.18	206.18	7585.28	16058.60	16058.60	772779		
	Total 2004-05	16218149	29616638	1694482	51057.97	1210.79	1210.79	53479.55	119891.55	119891.55	3447525		
12	Kharif 2005	12673833	20531038	1351910	42951.40	1021.77	1021.77	44994.94	108644.91	108644.91	2687605		
13	Rabi 2005-06	4048524	7218417	507166	9959.28	261.56	261.56	10482.40	33830.20	33830.20	980748		
	Total 2005-06	16722357	27749455	1859076	52910.68	1283.33	1283.33	55477.34	142475.11	142475.11	3668353		

(Contd.)

S. No.	State / UT's	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	GoI Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefited
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
14	Kharif 2006	12934060	19672280	1475936	44074.09	1592.60	1062.46	46729.14	177621.89	177621.89	3131511
15	Rabi 2006-07	4977980	7632882	654221	13149.85	769.47	368.27	14287.60	51597.41	51597.41	1391554
	TOTAL 2006-07	17912040	27305162	2130158	57223.94	2362.07	1430.73	61016.74	229219.30	229219.31	4523065
16	Kharif 2007	13398822	20754747	1700796	49766.23	1429.31	1236.74	52432.28	91535.70	91535.69	1591863
17	Rabi 2007-08	5044016	7387156	746664	14071.44	1345.25	454.31	15871.00	81017.92	81017.92	1578668
	TOTAL 2007-08	18442838	28141903	2447461	63837.67	2774.56	1691.05	68303.28	172553.61	172553.61	3170531
18	Kharif 2008	12992272	17636187	1566607	47822.23	2192.86	1179.27	51194.35	237780.25	237780.26	4218975
19	Rabi 2008-09	6210648	8857836	1114871	22332.07	6296.27	943.74	29572.08	150981.81	150981.81	1979705
	TOTAL 2008-09	19202920	26494023	2681478	70154.30	8489.13	2123.01	80766.44	388762.06	388762.07	6198680
20	Kharif 2009	18253072	25769817	2761671	80572.32	3589.15	2123.41	86284.89	453770.56	453770.57	7970974
21	Rabi 2009-10	5681148	7899761	1100750	21674.65	6524.54	971.28	29170.48	58039.75	58039.73	1040659
	TOTAL 2009-10	23934220	33669578	3862421	102246.98	10113.70	3094.70	115455.37	511810.31	511810.30	9011633
22	Kharif 2010	12682242	17108888	2371090	67637.11	2612.50	1928.94	72178.55	164177.75	164177.75	2253293
23	Rabi 2010-11	4967878	6938628	1101056	20398.73	8405.33	1012.67	29816.72	65793.65	65793.65	1138466
	TOTAL 2010-11	17650120	24047517	3472145	88035.84	11017.82	2941.61	101995.27	229971.39	229971.39	3391759
24	Kharif 2011	11554561	15776489	2348711	66203.64	3347.24	1884.02	71434.91	166561.95	166561.95	1844744
25	Rabi 2011-12	5239299	7609278	1128394	19447.73	5669.68	650.40	25767.81	54337.32	54254.61	1287237
	TOTAL 2011-12	16793860	23385766	3477104	85651.37	9016.93	2534.43	97202.72	220899.27	220816.55	3131981
26	Kharif 2012	10649354	15693701	2719906	76983.25	8824.39	2066.54	87874.18	278699.98	278684.16	1912523
27	Rabi 2012-13	6141726	8691157	1571009	27181.82	16621.71	957.04	44760.57	210833.53	209579.92	2555305

(Contd.)

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	State Govt. Premium (Share)	GoI Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	TOTAL 2012-13	16791080	24384857	4290915	104165.08	25446.10	3023.58	132634.76	489533.51	488264.08	4467828
28	Kharif 2013	9746431	14231634	2900469	82132.15	13389.92	2249.48	97771.55	327154.78	326235.62	2812433
29	Rabi 2013-14	3973611	6476265	1254945	20389.01	8647.16	711.57	29747.73	105206.80	104748.00	996191
	TOTAL 2013-14	13720042	20707899	4155415	102521.17	22037.08	2961.04	127519.28	432361.59	430983.62	3808624
30	Kharif 2014	9728678	11589544	2450085	78728.47	4038.19	1987.47	84754.13	295200.17	295057.69	4370982
31	Rabi 2014-15	7009527	9180141	2137997	36702.88	16446.91	1906.14	55055.93	133374.14	130980.03	2040638
	TOTAL 2014-15	16738205	20769685	4588082	115431.35	20485.10	3893.62	139810.07	428574.30	426037.72	6411620
32	Kharif 2015	20697680	22028058	5261509	152398.19	17739.45	11735.28	181872.93	1517430.33	1464470.52	13927217
33	Rabi 2015-16	10210205	11877252	2800700	49483.02	19939.67	2428.34	71851.02	231100.01	191998.93	4325563
	TOTAL 2015-16	30907885	33905309	8062209	201881.21	37679.12	14163.62	253723.95	1748530.34	1656469.45	18252780
	Kharif Seasons Total	192843611	279061177.35	31420918.19	924436.41	68998.49	37696.48	1031131.38	4341730.75	4287693.48	60783450
	Rabi Seasons Total	78410809	112656369.29	15329557.81	275491.74	92665.72	12403.51	380560.97	1273920.03	1230629.70	24147356
	Grand Total	271254420	391717546.64	46750475.99	1199928.15	161664.21	50099.99	1411692.35	5615650.79	5518323.18	84930806

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.12(a): State-wise Weather Based Crop Insurance Scheme (WBCIS)-Cumulative upto Rabi 2015-16

S. No.	State / UTs	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers Benefitted (no.)	(₹ in lakh)
												(1)
1	Andhra Pradesh	3617986	5903512.88	1512791.19	61899.94	44573.21	44573.21	151046.36	108006.57	107706.03	2387860	
2	Assam	67634	38963.86	23621.41	1195.53	597.32	597.32	2390.17	1894.13	734.23	46988	
3	Bihar	12885954	13114092.98	3043374.59	86904.17	89458.40	89458.40	265820.97	199984.36	149711.42	10712377	
4	Chhattisgarh	1287074	2246719.39	443314.00	18905.01	11149.55	12093.90	42148.47	31947.25	31947.25	843828	
5	Gujarat	497661	413126.40	22394.75	251.80	839.80	1147.88	2239.48	857.35	857.35	170576	
6	Haryana	359565	602022.74	190262.00	3695.45	5600.39	7472.66	16768.49	6565.88	6528.72	250674	
7	Himachal Pradesh	390329	111872.23	141568.18	7785.44	3753.33	3753.33	15292.10	12262.84	10620.92	275904	
8	Jharkhand	585356	561878.72	120853.09	4163.24	3248.90	3248.90	10661.03	7750.77	7625.44	526610	
9	Jammu & Kashmir	1364	809.23	461.26	23.06	11.53	11.53	46.13	54.18	23.93	1364	
10	Karnataka	985183	1219977.56	234493.18	11518.49	7533.72	7533.72	26585.94	18726.93	18642.98	793104	
11	Kerala	162894	119924.51	36981.50	1255.63	1013.54	1347.45	3616.63	3318.56	3275.92	128575	
12	Madhya Pradesh	1381299	1919796.56	509160.53	18028.63	16041.97	16041.97	50112.58	31786.99	31781.10	1153122	
13	Maharashtra	2908194	2932529.39	783270.23	37825.53	26241.12	31184.98	95251.64	111350.99	111110.91	2546866	
14	Odisha	315755	456542.27	65780.84	1414.07	2121.10	2121.10	5656.27	3210.36	3210.36	215814	
15	Punjab	67	338.20	47.58	1.20	1.80	1.80	4.79	0.67	0.67	50	
16	Rajasthan	44835969	57994738.38	4797821.95	168352.03	154340.74	154340.74	477033.50	419552.15	409795.67	29405090	
17	Tamil Nadu	133157	179235.54	84705.82	1152.19	1051.40	1051.40	3254.99	2501.27	2333.74	73237	
18	Telangana	166656	174237.68	53089.15	2630.23	1315.12	1315.12	5260.47	12470.02	12261.26	157734	
19	Uttar Pradesh	1543617	1318113.64	265304.16	12053.71	16714.42	16714.42	45482.54	54405.55	54247.32	1394020	
20	Uttarakhand	177887	154516.70	63102.43	3245.01	1478.17	1478.17	6201.36	9198.60	9192.77	116083	
21	West Bengal	123335	118035.70	21088.09	642.91	684.29	684.29	2011.50	1738.04	1388.08	75925	
	TOTAL	72426936	89580984.55	12413485.91	442943.28	387769.82	396172.29	1226885.39	1037583.50	972996.07	51275801	

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.12(b): Season-wise Weather Based Crop Insurance Scheme (WBCIS)-Cumulative (upto Rabi 2015-16)

S. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefited (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2007	43790	50074.12	5301.00	141.75	280.66	280.66	703.08	524.12	524.12	35275
2	Rabi 2007-08	634635	1018253.59	173890.24	4377.24	4877.42	4877.42	14132.08	10039.94	10039.94	190610
	Total 2007-08	678425	1068327.71	179191.24	4518.99	5158.08	5158.08	14835.15	10564.05	10564.05	225885
3	Kharif 2008	183481	221202.06	35110.24	961.11	1315.04	1340.36	3616.29	1605.24	1605.24	108975
4	Rabi 2008-09	191647	260907.89	53632.68	1122.52	1715.16	1715.16	4552.84	3342.32	3342.32	120804
	Total 2008-09	375128	482109.95	88742.93	2083.63	3030.20	3055.52	8169.13	4947.56	4947.56	229779
5	Kharif 2009	1161340	1530782.47	264531.08	6285.34	7315.23	7837.44	21437.76	15789.29	15789.29	902866
6	Rabi 2009-10	1201525	1891091.45	285798.85	5651.63	8950.52	8950.52	23552.67	18719.47	18652.63	600336
	Total 2009-10	2362865	3421873.92	550329.94	11936.97	16265.75	16787.96	44990.43	34508.76	34441.92	1503202
7	Kharif 2010	4916784	7393241.52	567689.57	16823.54	19698.36	23028.55	59550.45	19193.90	19185.75	1790436
8	Rabi 2010-11	4383504	5745537.01	863379.31	17619.68	25883.20	25883.20	69386.07	44264.34	44239.70	2526629
	Total 2010-11	9300288	13138778.53	1431068.88	34443.22	45581.56	48911.74	128936.53	63458.23	63425.45	4317065
9	Kharif 2011	6906021	9786317.49	1035161.57	33167.45	34902.78	34902.78	102973.00	42587.75	42507.77	3597821
10	Rabi 2011-12	4765376	5847307.18	985781.55	20835.31	29671.58	30951.41	81458.32	75113.67	66635.56	2732017
	Total 2011-12	11671397	15633624.67	2020943.12	54002.76	64574.35	65854.19	184431.32	117701.41	109143.33	6329838
11	Kharif 2012	8008149	11124699.96	1287053.19	40798.47	44337.81	44337.81	129474.13	87680.53	86927.72	6752196
12	Rabi 2012-13	5591502	5987496.31	1065546.46	25411.47	33445.98	33445.98	92303.42	104382.42	70626.77	4052901

(Contd.)

S. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefitted (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
	Total 2012-13	13599651	17112196.28	2352599.66	66209.94	77783.79	77783.79	221777.55	192062.95	157554.49	10805097
13	Kharif 2013	8854152	11172439.58	1462396.68	45913.69	50559.46	50559.46	147032.60	119863.67	119828.38	6870870
14	Rabi 2013-14	5302444	5340632.90	1090191.89	51251.62	19091.03	22002.05	92344.68	81831.77	75228.98	3850694
	Total 2013-14	14156596	16513072.48	2552588.57	97165.30	69650.50	72561.51	239377.28	201695.45	195057.37	10721564
15	Kharif 2014	8172254	9637379.89	1325690.14	69577.15	43459.50	43555.22	156591.88	123796.06	121502.05	6725448
16	Rabi 2014-15	3079590	3138083.79	438617.09	24305.12	15636.69	15702.39	55644.19	80499.26	80093.23	2898919
	Total 2014-15	11251844	12775463.67	1764307.22	93882.26	59096.19	59257.61	212236.07	204295.32	201595.28	9624367
17	Kharif 2015	5399549	6294554.64	852198.07	44870.03	26852.36	26934.38	98657.14	132039.59	131411.14	4839539
18	Rabi 2015-16	3631193	3140982.70	621516.28	33830.17	19777.04	19867.51	73474.72	76310.18	64855.49	2679465
	Total 2015-16	9030742	9435537.34	1473714.35	78700.20	46629.40	46801.89	172131.86	208349.77	196266.62	7519004
	GRAND TOTAL	72426936	89580984.55	12413485.91	442943.28	387769.82	396172.29	1226885.31	1037583.50	972996.07	51275801

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.13 (a): State-wise Modified National Agricultural Insurance Scheme (MN-AIS)-Cumulative (upto Rabi 2015-16)

S. No.	State / UTs	Farmers Insured (no.)	Area Insured (ha.)	Sum Insured	Farmer Premium	GOI Share in Premium	State Govt.'s Premium	Premium Collected	Claims Payable	Claims Paid	Farmers Benefitted (no.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Andhra Pradesh	1800286	1881257	813756	34202	21502	21502	77206	85831	84790	638753
2	Andaman & Nicobar	783	1230	460	0	3	13	16	6	6	184
3	Assam	19929	15685	6505	154	47	47	249	102	70	1837
4	Bihar	1382947	1570615	262832	15447	18889	18889	53226	21408	17704	322279
5	Chhatisgarh	18	32	5	0	0	0	0	0	0	0
6	Goa	296	291	78	2	0	0	2	14	14	82
7	Gujarat	17084	591	261	11	9	9	28	0	0	0
8	Haryana	262687	446690	184769	3816	1188	1188	6193	5042	5021	46374
9	Jharkhand	117511	118016	26671	1176	718	718	2612	407	404	8951
10	Karnataka	1566251	2265604	371678	16548	11428	11430	39403	24786	24685	457984
11	Kerala	47416	64041	23894	512	284	411	1207	567	567	4287
12	Madhya Pradesh	218380	359048	51089	1230	380	380	1991	873	873	12717
13	Maharashtra	51964	49621	7621	382	457	523	1362	0	0	0
14	Mizoram	512	488	99	3	2	2	6	9	9	512
15	Orissa	425024	280280	103217	2185	647	647	3479	24799	24798	204831
16	Rajasthan	12620454	13719001	1063428	47976	34329	34329	116634	155508	133453	4691652
17	Tamil Nadu	476483	522840	134936	5709	4166	4166	14041	26798	26678	244024
18	Telangana	923143	1257656	535810	12115	3012	3012	18139	9999	9996	143041
19	Tripura	0	0	0	0	0	0	0	0	0	0
20	Uttar Pradesh	5570562	6061478	2052878	54887	27435	27435	110546	199789	198982	2677774
21	Uttarakhand	217704	183679	66147	1140	156	156	1450	1733	1731	42251
22	West Bengal	1943351	961459	501798	15353	12887	18335	46574	28935	26664	428482
	Total	27662785	29759601	6207932	212849	137538	143190	494364	586606	556447	9926015

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.13 (b): Season-wise Modified National Agricultural Insurance Scheme (MN/AIS)-Cumulative (upto Rabi 2015-16)

₹ in lakh)

S. No.	Season	Farmers Insured	Area Insured (Ha)	Sum Insured	Farmers' Premium	GOI Premium (share)	State Govt Premium (share)	Gross Premium	Claims Payable	Claims Paid	Farmers benefitted (No.)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rabi 2010-11	358421	323734	69364	2376	1176	1180	4732	1615	1615	46879
	Total 2010-11	358421	323734	69364	2376	1176	1180	4732	1615	1615	46879
2	Kharif 2011	474809	665654	134588	5011	3552	3614	12177	9610	9610	100201
3	Rabi 2011-12	754999	707381	201012	6783	4505	5234	16521	8444	8341	122899
	Total 2011-12	1229808	1373035	335600	11794	8057	8847	28698	18054	17951	223100
4	Kharif 2012	2062484	2239315	489697	22034	17199	17199	56432	62412	62376	657900
5	Rabi 2012-13	949009	741753	207715	7501	5218	6212	18930	5369	5344	113298
	Total 2012-13	3011493	2981068	697413	29534	22417	23411	75362	67781	67720	771198
6	Kharif 2013	2361352	2274659	582621	25508	19246	19246	64000	89138	85365	970816
7	Rabi 2013-14	2997404	3253671	640752	20826	10774	11848	43448	54044	53824	811168
	Total 2013-14	5358756	5528329	1223373	46335	30019	31094	107448	143182	139189	1781984
8	Kharif 2014	5890024	6960640	943747	34113	27925	30586	92623	63230	60955	1644824
9	Rabi 2014-15	3198533	3547534	907093	27290	11304	11341	49936	88800	87797	1412851
	Total 2014-15	9088557	10508174	1850840	61403	39229	41927	142559	152030	148752	3057675
10	Kharif 2015	4812042	5530036	826434	33616	23535	23565	81175	112798	112716	2422630
11	Rabi 2015-16	3803708	3515224	1204907	27792	13104	13166	54391	91147	68503	1622549
	Total 2015-16	8615750	9045260	2031341	61408	36639	36731	135565	203944	181219	4045179
	GRAND TOTAL	27662785	29759601	6207932	212849	137538	143190	494364	586606	556447	9926015

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.14: Coconut Palm Insurance Scheme (CPIS)-cumulative (from 2009-10 to 2016-17)

State	No. of farmers	No. of Palms	Sum Insured	Premium		Total	Claims Paid	Farmers benefitted	
				Farmer	State				CDB
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
Andhra Pradesh	845	55623	1367.65	3.72	3.69	7.41	14.82	0.00	0
Goa	240	59643	692.50	0.91	0.91	1.83	3.66	1.63	14
Karnataka	704	96422	1067.64	1.83	1.52	3.05	6.09	3.61	72
Kerala	52464	2096851	22704.88	30.10	30.10	60.18	120.37	367.56	7343
Maharashtra	14659	1066749	12844.84	22.56	22.56	45.12	90.23	37.90	396
Odisha	687	21558	353.61	0.68	0.68	1.35	2.70	0.16	3
Tamil Nadu	4085	855105	8073.24	14.53	14.53	29.19	58.26	159.84	398
West Bengal	692	692	0.29	328.42	0.82	0.00	0.82	1.64	0
TOTAL	74376	4252643	47104.65	402.75	74.81	148.13	296.96	572.34	8226

Source: Department of Agriculture, Cooperation & Farmers Welfare

(₹ in Lakh)

Table 14.15 (a): State-wise Coverage under Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2016-17

S. No.	State / UTs	(3)	No. of Farmers covered	(4)	Area Insured (In Ha)	(5)	Sum Insured	(6)	Farmers' Premium	(7)	GoI Premium (Share)	(8)	State Govt. Premium (Share)	(9)	Gross Premium	(10)	Claims Reported	(11)	Claims Paid	(12)	No. of Farmers Benefitted
1	Andhra Pradesh	1005181	785883.28	547931.27	12443.30	19637.87	19637.87	0.46	0.93	51719.05	33011.12	29249.20	125476.00								
2	Andaman & Nicobar Islands	324	253.20	46.84	0.23	0.46	0.93	1.62	14.56	14.56	0.00	0.00	295.00								
3	Arunachal Pradesh	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
4	Assam	8516	4312.95	3011.99	86.28	43.47	43.47	173.22	0.00	0.00	0.00	0.00	0.00								
5	Bihar	2713178	2465249.21	1172428.36	20391.73	60850.73	60850.73	142093.19	32717.98	13015.92	149698.00										
6	Chhattisgarh	1542449	2414598.31	721301.74	13554.96	9260.35	9260.35	32075.67	15597.73	15587.40	142088.00										
7	Dadra & Nagar Haveli	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
8	Daman & Diu	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00								
9	Goa	757	547.81	579.83	6.77	0.33	0.33	7.42	2.68	2.68	111.00										
10	Gujarat	1975139	2841567.15	1232347.92	24939.21	98789.79	112341.58	236070.58	126193.89	121733.24	678766.00										
11	Haryana	1336028	2084575.90	1178213.12	19652.59	6486.39	10202.49	36341.46	29482.05	29007.87	216907.00										
12	Himachal Pradesh	260565	85416.19	37135.81	483.05	530.64	530.64	1544.34	569.86	569.86	23050.00										
13	Jammu & Kashmir	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
14	Jharkhand	877754	373764.29	200043.32	3963.05	11589.03	11589.03	27141.12	2726.52	2043.47	46008.00										
15	Karnataka	2611964	2861980.68	985944.20	21267.15	59626.45	59626.45	140520.04	127254.37	98913.49	718326.00										
16	Kerala	18415	12961.11	12827.61	262.22	111.74	111.74	485.70	343.11	0.00	2288.00										
17	Lakshadweep	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00									
18	Madhya Pradesh	6667721	12457496.77	3633475.41	66337.67	161501.99	161501.99	389341.65	178525.66	173146.14	960521.00										

(Contd.)

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	GoI Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
19	Maharashtra	11793372	7227810.17	2233694.84	58429.40	168897.21	168897.21	396223.82	191800.33	191800.33	2781403.00
20	Manipur	8366	9120.89	3693.96	73.88	142.69	142.69	359.26	195.91	127.24	8358.00
21	Meghalaya	89	37.71	47.13	1.34	1.36	1.36	4.06	2.62	0.00	48.00
22	Mizoram	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
23	Nagaland	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
24	Orissa	1820236	1318711.78	726234.75	14262.52	19822.72	19822.74	53907.97	43135.18	43127.63	168490.00
25	Puducherry	8537	7978.62	3398.78	26.33	129.14	154.30	309.77	757.21	757.21	4299.00
26	Punjab	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
27	Rajasthan	8983491	10137879.63	1686084.44	35489.08	105329.08	105329.08	246147.24	175776.96	170849.62	2651299.00
28	Sikkim	574	130.50	45.93	0.74	0.14	0.14	1.02	10.77	10.06	225.00
29	Tamil Nadu	1449133	1322585.20	689549.74	29658.72	46995.06	47038.10	123734.93	327111.87	313064.14	1037390.00
30	Telengana	887013	733621.29	463416.28	8559.84	7204.77	7204.77	22969.39	11712.64	11133.29	134278.00
31	Tripura	12528	4916.54	2957.70	28.52	5.19	5.19	38.89	11.40	11.40	542.00
32	Uttar Pradesh	6751422	5819591.51	2542192.07	46427.94	29821.49	29821.49	106070.93	53191.36	53127.61	1107682.00
33	Uttarakhand	208175	107229.41	69722.53	840.86	184.22	184.22	1209.30	376.90	376.59	18135.00
34	West Bengal	4130164	2023047.46	1226977.48	23295.05	23873.67	25407.37	72576.10	37060.66	30589.22	513840.00
	Total	55071091	55101268	19373303	400482	830836	849706	2081068	1387583	1298258	11489523

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.15 (b): Season-wise Pradhan Mantri Fasal Bima Yojana (PMFBY) - Cumulative upto Rabi 2016-17

(₹ in lakh)

S. No.	Season	No. of Farmers Covered	Area Insured (In Hec.)	Sum Insured	Farmers' Premium	Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Kharif 2016	38731207	37314323	12609909	270399	642887	660198	1573527	913317	886200	9293718
2	Rabi 2016-17	16339884	17786944	6763394	130083	187949	189508	507541	474266	412058	2195805
	Total 2016-17	55071091	55101268	19373303	400482	830836	849706	2081068	1387583	1298258	11489523
	Kharif Seasons Total	38731207	37314323	12609909	270399	642887	660198	1573527	913317	886200	9293718
	Rabi Seasons Total	16339884	17786944	6763394	130083	187949	189508	507541	474266	412058	2195805
	Grand Total	55071091	55101268	19373303	400482	830836	849706	2081068	1387583	1298258	11489523

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.16(a): State-wise Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2016-17

(₹ in lakh)

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	GoI Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1	Andhra Pradesh	766454	766660.41	312978.41	7453.17	10049.42	10049.45	27552.04	57038.00	56952.76	758244
2	Andaman & Nicobar Islands	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
3	Arunachal Pradesh	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
4	Assam	51749	36692.13	20547.43	410.96	140.24	140.24	691.45	501.68	501.68	23370
5	Bihar	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
6	Chhattisgarh	6701	2170.48	1889.43	94.47	203.48	203.48	501.43	135.90	130.76	1106
7	Dadra & Nagar Haveli	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
8	Daman & Diu	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
9	Goa	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
10	Gujarat	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
11	Haryana	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
12	Himachal Pradesh	119360	44015.25	52758.04	2626.95	1496.03	1496.03	5619.01	3841.48	3796.54	90083
13	Jammu & Kashmir	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
14	Jharkhand	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
15	Karnataka	132026	100650.26	94288.41	4714.39	4879.33	4879.33	14473.05	28092.85	26810.44	148290
16	Kerala	58990	40143.94	20420.07	459.64	1185.79	1185.79	2831.22	1792.23	1787.08	24895
17	Lakshadweep	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
18	Madhya Pradesh	513595	328852.73	223891.21	10838.09	5668.04	5669.19	22175.33	18603.91	18603.91	341692

(Contd.)

S. No.	State / UTs	No. of Farmers covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	GoI Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
(1)	(2)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
19	Maharashtra	207843	2107355.63	2161444.26	10807.22	33445.68	33445.68	77698.57	38768.89	38170.52	123167
20	Manipur	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
21	Meghalaya	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
22	Mizoram	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
23	Nagaland	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
24	Orissa	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
25	Puducherry	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
26	Punjab	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
27	Rajasthan	44150	34958.80	11572.19	436.04	2267.29	2267.29	4970.62	5148.14	5148.14	42728
28	Sikkim	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
29	Tamil Nadu	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
30	Telengana	88772	98174.53	56294.06	2814.71	1822.93	1822.93	6460.57	6066.73	6066.16	83578
31	Tripura	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0
32	Uttar Pradesh	6250	2814.20	2751.80	137.59	178.87	178.87	495.32	351.14	345.40	6250
33	Uttarakhand	53396	25133.29	22416.96	1115.21	917.01	917.01	2949.22	2370.16	2370.16	43570
34	West Bengal	1713	146.37	357.50	17.88	5.44	5.44	28.76	0.17	0.17	13
	Total	2050999.00	1691148.01	1036309.78	41926.30	62259.56	62260.73	166446.60	162711.30	160683.71	1686986.00

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.16 (b): Season-wise Restructured Weather Based Crop Insurance Scheme (RWBCIS)- Cumulative upto Rabi 2016-17

S. No.	Season	No. of Farmers Covered	Area Insured (In Ha)	Sum Insured	Farmers' Premium	Govt Premium (Share)	State Govt. Premium (Share)	Gross Premium	Claims Reported	Claims Paid	No. of Farmers Benefitted
1	Kharif 2016	1496743	1278983	692425	25414	30587	30588	86589	127831	126439	1419617
2	Rabi 2016-17	554256	412165	343885	16512	31673	31673	79858	34880	34245	267369
	Total 2016-17	2050999	1691148	1036310	41926	62260	62261	166447	162711	160684	1686986
	Kharif Seasons Total	1496743	1278983	692425	25414	30587	30588	86589	127831	126439	1419617
	Rabi Seasons Total	554256	412165	343885	16512	31673	31673	79858	34880	34245	267369
	Grand Total	2050999	1691148	1036310	41926	62260	62261	166447	162711	160684	1686986

Source: Department of Agriculture, Cooperation & Farmers Welfare

Table 14.17 (a): State-wise crop area insured under all Insurance Schemes

(1)	(Area in Lakh Hectr.)											
	2014-15					2015-16*					2016-17*	
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
States/UTs	Gross Area Sown	Area insured	% of Area Insured	Gross Area Sown*	Area insured	% of Area Insured	Gross Area Sown*	Area insured	% of Area Insured	Gross Area Sown*	Area insured	% of Area Insured
Andhra Pradesh	76.90	5.41	7.04	76.90	23.49	30.54	76.90	15.53	20.19	76.90	15.53	20.19
Andaman & Nicobar	0.24	0.01	5.13	0.24	0.01	5.75	0.24	0.00	1.06	0.24	0.00	1.06
Arunachal Pradesh	2.99	0.00	0.00	2.99	0.00	0.00	2.99	0.00	0.00	2.99	0.00	0.00
Assam	40.83	0.30	0.74	40.83	0.29	0.70	40.83	0.41	1.00	40.83	0.41	1.00
Bihar	76.73	37.33	48.65	76.73	28.06	36.57	76.73	24.65	32.13	76.73	24.65	32.13
Chandigarh	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00	0.02	0.00	0.00
Chhattisgarh	57.28	18.95	33.08	57.28	23.43	40.90	57.28	24.17	42.19	57.28	24.17	42.19
Dadar & Nagar Haveli	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00	0.23	0.00	0.00
Daman & Diu	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00
Delhi	0.35	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00
Goa	1.58	0.00	0.11	1.58	0.00	0.07	1.58	0.01	0.35	1.58	0.01	0.35
Gujarat	127.73	13.89	10.87	127.73	10.31	8.08	127.73	28.42	22.25	127.73	28.42	22.25
Haryana	65.36	0.00	0.00	65.36	0.00	0.00	65.36	20.85	31.89	65.36	20.85	31.89
Himachal Pradesh	9.18	0.54	5.83	9.18	0.54	5.89	9.18	1.29	14.10	9.18	1.29	14.10
Jammu & Kashmir	11.78	0.01	0.07	11.78	0.00	0.00	11.78	0.00	0.00	11.78	0.00	0.00
Jharkhand	15.54	2.50	16.08	15.54	4.17	26.83	15.54	3.74	24.05	15.54	3.74	24.05
Karnataka	122.47	14.07	11.49	122.47	17.18	14.03	122.47	29.63	24.19	122.47	29.63	24.19
Kerala	26.25	0.48	1.85	26.25	0.65	2.46	26.25	0.53	2.02	26.25	0.53	2.02
Lakshdweep	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00	0.03	0.00	0.00

(Contd.)

States/UTs	2014-15				2015-16*				2016-17*			
	Gross Area Sown	Area insured	% of Area Insured		Gross Area Sown*	Area insured	% of Area Insured		Gross Area Sown*	Area insured	% of Area Insured	
			(3)	(4)			(5)	(6)			(7)	(8)
Madhya Pradesh	238.10	108.03	45.37	238.10	121.15	50.88	238.10	127.86	53.70			
Maharashtra	234.74	48.63	20.72	234.74	83.01	35.36	234.74	74.39	31.69			
Manipur	3.83	0.06	1.70	3.83	0.17	4.39	3.83	0.09	2.38			
Meghalaya	3.43	0.01	0.41	3.43	0.01	0.29	3.43	0.00	0.01			
Mizoram	1.45	0.00	0.00	1.45	0.00	0.00	1.45	0.00	0.00			
Nagaland	5.00	0.00	0.00	5.00	0.00	0.00	5.00	0.00	0.00			
Odisha	51.73	16.85	32.58	51.73	20.47	39.57	51.73	13.19	25.49			
Puducherry	0.27	0.02	6.42	0.27	0.02	7.19	0.27	0.08	29.55			
Punjab	78.57	0.00	0.00	78.57	0.00	0.00	78.57	0.00	0.00			
Rajasthan	242.35	119.78	49.42	242.35	114.55	47.27	242.35	101.73	41.98			
Sikkim	1.36	0.00	0.01	1.36	0.00	0.08	1.36	0.00	0.10			
Tamil Nadu	59.95	8.69	14.49	59.95	12.45	20.77	59.95	13.23	22.06			
Telangana	53.15	14.05	-	53.15	16.07	30.23	53.15	8.32	15.65			
Tripura	4.83	0.00	0.09	4.83	0.01	0.21	4.83	0.05	1.02			
Uttar Pradesh	261.47	20.43	7.81	261.47	37.98	14.53	261.47	58.22	22.27			
Uttarakhand	10.97	0.51	4.67	10.97	1.11	10.12	10.97	1.32	12.07			
West Bengal	96.90	9.97	10.29	96.90	8.73	9.01	96.90	20.23	20.88			
All India Total	1983.60	440.53	22.21	1983.60	523.86	26.41	1983.60	567.92	28.63			

Source: Department of Agriculture, Cooperation & Farmers Welfare

*Latest data for Gross Area Sown is available till 2014-15 only

Table 14.17 (b): Crop-wise area Insured under all Insurance Schemes
(Area in Lakh Hect)

S.No.	Crops	2014-15			2015-16*			2016-17*		
		Gross Area Sown (3)	Area insured (4)	% of Area Insured (5)	Gross Area Sown* (6)	Area insured (7)	% of Area Insured (8)	Gross Area Sown* (9)	Area insured (10)	% of Area Insured (11)
1	Paddy	442.38	96.50	21.81	442.38	114.93	25.98	442.38	130.29	29.45
2	Wheat	320.78	78.83	24.57	320.78	87.82	27.38	320.78	100.57	31.35
3	Coarse Grains	255.01	50.35	19.75	255.01	59.61	23.38	255.01	54.32	21.30
4	Sugarcane	55.65	1.46	2.62	55.65	2.29	4.11	55.65	2.86	5.13
5	Cotton	126.60	15.32	12.10	126.60	14.49	11.44	126.60	35.82	28.29
6	Jute & Mesta	8.19	0.69	8.46	8.19	0.04	0.43	8.19	0.73	8.91
7	Oilseeds	284.24	101.41	35.68	284.24	132.51	46.62	284.24	84.24	29.64
8	Pulses	217.07	65.35	30.10	217.07	71.19	32.80	217.07	58.89	27.13
9	Vegetables	57.87	21.05	36.38	57.87	20.54	35.49	57.87	7.13	12.32
10	Fruits	41.92	2.27	5.41	41.92	3.97	9.47	41.92	3.51	8.37
11	Others	173.89	7.29	4.19	173.89	16.48	9.48	173.89	89.58	51.52
	Area under all Crops	1983.60	440.53	22.21	1983.60	523.86	26.41	1983.60	567.92	28.63

Source: Department of Agriculture, Cooperation & Farmers Welfare.

* Latest data for Gross area sown is available till 2014-15 only

Table 14.18(a): Year-wise sale of Tractors and Power Tillers

(Thousand Number)

Year	Tractor	Power Tiller
(1)	(2)	(3)
2004-05	248	17
2005-06	296	22
2006-07	353	25
2007-08	347	26
2008-09	343	35
2009-10	394	39
2010-11	545	55
2011-12	535	60
2012-13	591	47
2013-14	697	56
2014-15	551	46
2015-16	627	48
2016-17	583	45
Total	6108	522

Source: Indian Council of Agricultural Research (ICAR)

Table 14.18(b): State wise sale of Tractors during 2016-17

State/UTs	(Number)
(1)	(2)
Andhra Pradesh	34343
Telangana	31488
Assam	6120
Bihar	38038
Jharkhand	9433
Gujarat	47106
Haryana	25811
Himachal Pradesh	1486
Jammu & Kashmir	2649
Karnataka	34130
Kerala	388
Maharashtra	52412
Madhya Pradesh	62827
Chhattisgarh	17932
Odisha	15067
Punjab	16758
Rajasthan	60238
Tamil Nadu	17626
Uttar Pradesh	85580
Uttarakhand	3712
West Bengal	17656
Others	1862
Total	582662

Source: Indian Council of Agricultural Research (ICAR)

15

Agricultural Census (2010-11)
and Input Survey (2011-12)

Table 15.1: Number and Area of Operational Holdings by Size Group

Category of Holdings	Number of Holdings					Area					Average Size of Holdings		
	2000-01*	2005-06*	2010-11	2000-01*	2005-06*	2010-11	2000-01*	2005-06*	2010-11	2000-01*	2005-06*	2010-11	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	
Marginal (Less than 1 hectare)	75408 (62.9)	83694 (64.8)	92826 (67.1)	29814 (18.7)	32026 (20.2)	35908 (22.5)	0.40	0.38	0.39				
Small (1.0 to 2.0 hectares)	22695 (18.9)	23930 (18.5)	24779 (17.9)	32139 (20.2)	33101 (20.9)	35244 (22.1)	1.42	1.38	1.42				
Semi-Medium (2.0 to 4.0 hectares)	14021 (11.7)	14127 (10.9)	13896 (10.0)	38193 (24.0)	37898 (23.9)	37705 (23.6)	2.72	2.68	2.71				
Medium (4.0 to 10.0 hectares)	6577 (5.5)	6375 (4.9)	5875 (4.2)	38217 (24.0)	36583 (23.1)	33828 (21.2)	5.81	5.74	5.76				
Large (10.0 hectares and above)	1230 (1.0)	1096 (0.8)	973 (0.7)	21072 (13.2)	18715 (11.8)	16907 (10.6)	17.12	17.08	17.38				
All Holdings	119931 (100.0)	129222 (100.0)	138348 (100.0)	159436 (100.0)	158323 (100.0)	159592 (100.0)	1.33	1.23	1.15				

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

*-Excluding Jharkhand

Note: Figures in parentheses indicate percentage share out of total holdings.

Table 15.2 (a): Number of Operational Holdings by Size Group

State/UT (1)	Marginal (2)	Small (3)	Semi- Medium (4)	Medium (5)	Large (6)	All Holdings (7)
A & N Islands	4626	2415	3137	1592	33	11803
Andhra Pradesh	8424698	2918374	1399123	397252	35653	13175100
Arunachal Pradesh	21456	19333	34038	27941	6530	109298
Assam	1831115	496574	303528	84869	4137	2720223
Bihar	14744098	948016	414664	81484	3129	16191391
Chandigarh	453	133	78	47	3	714
Chhattisgarh	2182834	831118	502989	201841	27698	3746480
Dadar & Nagar Haveli	8177	3903	1807	733	104	14724
Daman & Diu	7716	458	137	36	8	8355
Delhi	11308	4517	2979	1543	150	20497
Goa	59900	9817	5707	2010	586	78020
Gujarat	1815634	1429021	1079533	512651	48771	4885610
Haryana	778142	314818	283828	194694	45829	1617311
Himachal Pradesh	670425	174596	84868	27606	3270	960765
Jammu & Kashmir	1206612	167130	63681	11449	525	1449397
Jharkhand	1848324	428861	282818	128683	20242	2708928
Karnataka	3848834	2138208	1266829	510745	67573	7832189
Kerala	6579692	180171	57028	12044	1854	6830789
Lakshadweep	9854	267	130	26	8	10285
Madhya Pradesh	3891016	2448652	1654834	789143	88732	8872377
Maharashtra	6709034	4052317	2159109	710591	67914	13698965

(Contd.)

State/UT	Marginal	Small	Semi- Medium	Medium	Large	All Holdings
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Manipur	76735	48850	22235	2760	40	150620
Meghalaya	102714	57755	40542	8312	238	209561
Mizoram	50210	29753	9922	1731	264	91880
Nagaland	6476	20338	48457	77968	25172	178411
Odisha	3368296	918647	311261	63688	5574	4667466
Puducherry	28481	2779	1449	448	71	33228
Punjab	164431	195439	324515	298451	69718	1052554
Rajasthan	2511512	1511068	1335144	1127122	403590	6888436
Sikkim	40476	16941	10809	5922	780	74928
Tamil Nadu	6266555	1181344	502308	150646	17371	8118224
Tripura	499054	55043	21544	2752	86	578479
Uttar Pradesh	18532272	3035331	1334266	398278	25309	23325456
Uttarakhand	672138	157330	64781	17302	1099	912650
West Bengal	5852681	979833	267474	22657	702	7123347
Total	92825979	24779150	13895552	5875017	972763	138348461

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Table 15.2 (b): Area of Operational Holdings by Size Group

State/UT	Marginal (2)	Small (3)	Semi- Medium (4)	Medium (5)	Large (6)	All Holdings (7)
A & N Islands	2022	3464	8243	6911	1217	21856
Andhra Pradesh	3727131	4119946	3684946	2208770	552474	14293266
Arunachal Pradesh	11863	25914	93944	154858	97292	383872
Assam	774796	687156	817982	437372	281763	2999070
Bihar	3668728	1185695	1072969	414941	45228	6387561
Chandigarh	208	190	223	268	33	923
Chhattisgarh	952786	1179403	1347658	1152856	451344	5084047
Dadar & Nagar Haveli	4137	5344	5000	4208	1608	20297
Daman & Diu	1787	622	351	226	160	3145
Delhi	4800	5967	8014	8577	2270	29628
Goa	28103	17591	16770	12377	14152	88994
Gujarat	884823	2074884	2988660	2930432	1019668	9898466
Haryana	360474	462703	814473	1185436	822519	3645606
Himachal Pradesh	273270	243942	230469	156459	50510	954651
Jammu & Kashmir	416427	234531	170530	62145	11727	895361
Jharkhand	763906	590764	775052	724846	310715	3165283
Karnataka	1850946	3020002	3393036	2903687	993786	12161457
Kerala	885644	282305	159075	64063	119729	1510816
Lakshadweep	1712	364	324	159	192	2751
Madhya Pradesh	1915352	3466141	4510221	4544530	1399633	15835877
Maharashtra	3185931	5739050	5765450	3992777	1083852	19767061

(Contd.)

State/UT	Marginal (2)	Small (3)	Semi- Medium (4)	Medium (5)	Large (6)	All Holdings (7)
Manipur	40200	62755	55250	13415	440	172060
Meghalaya	46196	76833	113174	47132	3923	287258
Mizoram	30168	37723	24041	8872	3985	104789
Nagaland	3327	23066	124863	480758	442214	1074228
Odisha	1921842	1497752	918947	381272	132201	4852014
Puducherry	9834	4068	4138	2561	1200	21801
Punjab	101006	269082	855112	1712859	1028575	3966634
Rajasthan	1237578	2161876	3774350	6918368	7044064	21136235
Sikkim	14811	20397	26932	32238	12304	106683
Tamil Nadu	2291702	1643697	1355509	847811	349652	6488370
Tripura	139700	75809	54265	13942	1229	284945
Uttar Pradesh	7170852	4243297	3628857	2198774	379806	17621586
Uttarakhand	295556	225124	175382	94221	25401	815684
West Bengal	2890646	1556602	730577	109787	221970	5509582
Total	35908264	35244061	37704789	33827908	16906832	159591855

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Note: Total may not tally due to rounding off

Table 15.3: Average Size of Holdings by Size Group

State/UT	Marginal (2)	Small (3)	Semi- Medium (4)	Medium (5)	Large (6)	All Holdings (7)
A & N Islands	0.44	1.43	2.63	4.34	36.88	1.85
Andhra Pradesh	0.44	1.41	2.63	5.56	15.50	1.08
Arunachal Pradesh	0.55	1.34	2.76	5.54	14.90	3.51
Assam	0.42	1.38	2.69	5.15	68.11	1.10
Bihar	0.25	1.25	2.59	5.09	14.45	0.39
Chandigarh	0.46	1.43	2.86	5.70	11.08	1.29
Chhattisgarh	0.44	1.42	2.68	5.71	16.30	1.36
Dadar & Nagar Haveli	0.51	1.37	2.77	5.74	15.46	1.38
Daman & Diu	0.23	1.36	2.56	6.27	19.97	0.38
Delhi	0.42	1.32	2.69	5.56	15.13	1.45
Goa	0.47	1.79	2.94	6.16	24.15	1.14
Gujarat	0.49	1.45	2.77	5.72	20.91	2.03
Haryana	0.46	1.47	2.87	6.09	17.95	2.25
Himachal Pradesh	0.41	1.40	2.72	5.67	15.45	0.99
Jammu & Kashmir	0.35	1.40	2.68	5.43	22.34	0.62
Jharkhand	0.41	1.38	2.74	5.63	15.35	1.17
Karnataka	0.48	1.41	2.68	5.69	14.71	1.55
Kerala	0.13	1.57	2.79	5.32	64.58	0.22
Lakshadweep	0.17	1.36	2.50	6.11	24.00	0.27
Madhya Pradesh	0.49	1.42	2.73	5.76	15.77	1.78

(Contd.)

State/UT	Marginal (2)	Small (3)	Semi- Medium (4)	Medium (5)	Large (6)	All Holdings (7)
Maharashtra	0.47	1.42	2.67	5.62	15.96	1.44
Manipur	0.52	1.28	2.48	4.86	11.00	1.14
Meghalaya	0.45	1.33	2.79	5.67	16.48	1.37
Mizoram	0.60	1.27	2.42	5.13	15.09	1.14
Nagaland	0.51	1.13	2.58	6.17	17.57	6.02
Odisha	0.57	1.63	2.95	5.99	23.72	1.04
Puducherry	0.35	1.46	2.86	5.72	16.90	0.66
Punjab	0.61	1.38	2.64	5.74	14.75	3.77
Rajasthan	0.49	1.43	2.83	6.14	17.45	3.07
Sikkim	0.37	1.20	2.49	5.44	15.77	1.42
Tamil Nadu	0.37	1.39	2.70	5.63	20.13	0.80
Tripura	0.28	1.38	2.52	5.07	14.29	0.49
Uttar Pradesh	0.39	1.40	2.72	5.52	15.01	0.76
Uttarakhand	0.44	1.43	2.71	5.45	23.11	0.89
West Bengal	0.49	1.59	2.73	4.85	316.20	0.77
Total	0.39	1.42	2.71	5.76	17.38	1.15

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Table 15.4: Estimated Number of Operational Holdings by Size Classes and Irrigation Status

Size-Class	Wholly Irrigated		Partially Irrigated		Wholly Unirrigated		Total Holding		
	Number	Area	Number	Area	Number	Area	Number	Area	
	(2)	(3)	(4)	(5)	(7)	(8)	(9)	(10)	
Marginal	39294	14824	9623	3599	2011	37065	13796	92826	35908
Small	8644	11678	3486	4768	2585	11686	15529	24779	35244
Semi-medium	4525	11621	2536	6397	3374	6366	15760	13896	37705
Medium	1806	9692	1342	6922	3573	2545	12828	5875	33828
Large	245	3742	218	3092	1467	484	7030	973	16907
All Classes	54515	51557	17206	24778	13010	58144	64943	138348	159592

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Number: ('000)
Area: ('000 Hectares)

Table 15.5: Area Irrigated by different Source of Irrigation by Size Classes

('000 Hectares)

Size Class	Canals	Tanks	Wells	Tubewells	Others	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Marginal	4783	912	2262	7818	1060	16835
Small	3562	558	2891	6232	1021	14263
Semi-medium	3686	433	3219	6629	1028	14995
Medium	3441	259	2728	6001	836	13266
Large	1436	86	817	2485	384	5209
Total	16908	2248	11917	29165	4329	64567

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Table 15.6: Irrigated and Un-irrigated Area by Size Classes under different Crops

('000 Hectares)

Crops	Irrigated					Un-irrigated					Total	
	Marginal	Small	Semi-Medium	Medium	Large	Total	Marginal	Small	Semi-medium	Medium		Large
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
Paddy	10163	6642	6331	4707	1723	29567	7243	5005	4272	2669	910	20099
Wheat	6325	5177	6263	6305	2577	26648	1292	969	930	775	286	4252
Other Cereals	1151	1139	1222	1006	378	4896	4366	5524	6102	5639	3418	25049
Total Cereals	17640	12958	13816	12018	4678	61111	12902	11497	11304	9083	4614	49400
Total Pulses	346	504	678	841	318	2687	3186	4443	4935	4718	2292	19573
Sugarcane	1176	1186	1162	761	180	4465	272	156	140	78	13	660
Total Oilseeds	1349	1499	1836	1998	936	7618	2399	4074	4875	4391	1505	17245
Total Fibres	487	630	776	1005	553	3450	1389	2498	2464	1759	433	8543
All Crops	22986	18544	20108	18409	7720	87768	22048	24493	25757	22473	11221	105992

Source: Department of Agriculture, Cooperation & Farmers Welfare (Agriculture Census 2010-11)

Note:- All Crops include few more crops other than those listed above, viz., Fruits, Vegetables, Spices Tea, Coffee, Rubber, etc. Paddy includes Paddy of all the seasons.
2. Totals may not tally due to rounding off

Table 15.7: Usage of Chemical Fertilizers, Farm Yard Manure and Pesticides by major size Groups

Size Groups (hectares)	Gross Cropped Area		Area Treated with Fertilizers		Quantity Applied						(Area: '000 Hectares) (Fertilizers/ Manure/ Pesticides: Metric Tonnes)		
	(2)	(3)	(4)	(5)	Urea	Super Phosphate	Ammonium Sulphate	Others			(10)		
								N	P	K			
Marginal	I	2408	21408	2683006	6326385	522153	15961	336623	244578	660438			
(Below 1.00)	UI	23134	15221	1184688	3261015	452362	9571	110310	156039	338727			
	T	47142	36629	3867695	9587400	974516	25532	446933	400616	999166			
Small	I	18975	16962	1618416	3476035	445898	22424	111390	175818	441544			
(1.0-1.99)	UI	23655	16448	980375	2146474	434023	16629	88306	124241	229706			
	T	42630	33409	2598792	5622509	879921	39053	199695	300059	671250			
Semi-Medium	I	19925	17909	1646747	3374431	388941	14366	128402	125382	340351			
(2.0-3.99)	UI	24780	16836	926267	1763285	388208	12176	68498	94599	182735			
	T	44706	34745	2573014	5137716	777149	26542	196901	219981	523086			
Medium	I	18090	16328	1461622	3019896	297682	9540	79834	64256	211637			
(4.0-9.99)	UI	21169	12748	652967	1129268	251599	4297	34467	50093	109458			
	T	39258	29076	2114589	4149164	549281	13837	114301	114349	321096			
Large	I	6999	6372	562297	1354307	89155	2085	5405	9185	53998			
(10.0 and above)	UI	9019	3747	168114	278150	49341	1370	6429	9685	31369			
	T	16018	10119	730411	1632456	138495	3455	11835	18870	85366			
All Groups	I	87997	78979	7972088	17551054	1743830	64375	661653	619219	1707969			
	UI	101757	65000	3912412	8578192	1575533	44043	308010	434657	891995			
	T	189754	143978	11884500	26129246	3319362	108418	969663	1053876	2599964			

(Contd.)

(Area: '000 Hectares)
(Fertilizers/ Manure/ Pesticides: Metric Tonnes)

Size Groups (hectares)	Quantity Applied				Area Treated with			Quantity of Farm Yard Manure Applied
	N	P	K	Total	Farm	Yard Manure	Pesticides	
(1)								
Marginal	I	3732989	1562305	660438	4694	10431	22676761	
(Below 1.00)	UI	1825592	773373	338727	6523	8315	24268589	
	T	5558581	2335678	999166	11217	18747	46945350	
Small	I	2006300	991633	441544	3912	8904	15956992	
(1.0-1.99)	UI	1255577	644657	229706	5850	10060	17507245	
	T	3261877	1636291	671250	9762	18964	33464237	
Semi-Medium	I	1980015	945116	340351	3632	9714	14725954	
(2.0-3.99)	UI	1048846	582795	182735	5467	10486	14080191	
	T	3028860	1527911	523086	9100	20201	28806145	
Medium	I	1734043	784231	211637	2855	9676	11059304	
(4.0-9.99)	UI	672350	390714	109458	3936	8232	8559809	
	T	2406393	1174945	321096	6791	17908	19619114	
Large	I	730029	282106	53998	956	4125	3224683	
(10.0 and above)	UI	164921	94912	31369	1292	2924	2511413	
	T	894950	377018	85366	2248	7049	5736097	
All Groups	I	10183375	4565392	1707969	16049	42851	67643694	
	UI	4967285	2486452	891995	23069	40017	66927248	
	T	15150661	7051844	2599964	39118	82869	134570943	

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).

Note: I - Irrigated, UI - Unirrigated, T - Total of I & UI.

N: Nitrogen, P: Phosphorus, and K: Potassium

Total may not tally due to rounding off.

Table 15.8: Estimated Institutional Credit taken for Agricultural Purposes by Size Groups

Size Group (Ha)	Total No. of Operational Holdings	Estimated No. of Operational Holdings that took Institutional Credit	No. of Operational Holdings that took Institutional Credit from				RRBB
			PACS	PLDB/ SLDB	GBB	RRBB	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
Marginal (Below 1.00)	92688	26508	10807	767	12112	3673	
Small (1.0-1.99)	24746	11021	5489	478	3673	1935	
Semi-Medium (2.0-3.99)	13869	6583	3471	309	1980	1280	
Medium (4.0-9.99)	5854	3011	1676	162	818	664	
Large (10 and Above)	953	500	285	36	119	143	
All Groups	138110	47623	21728	1751	18702	7694	

('000 Units)

(Contd.)

(In Lakh Rupees)

Size Group (Ha)	Amount of Institutional Credit Taken											
	PACS			PLDB/ SLDB			CBB			RRBB		
	Short Term (8)	Medium Term (9)	Long Term (10)	Short Term (11)	Medium Term (12)	Long Term (13)	Short Term (14)	Medium Term (15)	Long Term (16)	Short Term (17)	Medium Term (18)	Long Term (19)
Marginal (Below 1.00)	2240815	0	0	0	537877	115928	2600024	1275684	486897	968105	652670	194143
Small (1.0-1.99)	1861245	0	0	0	380180	108296	1087596	709945	264044	748048	312538	194811
Semi-Medium (2.0-3.99)	1740607	0	0	0	339520	81890	755631	493399	273588	789631	295927	205712
Medium (4.0-9.99)	1323821	0	0	0	256499	83510	414809	245712	191369	637178	297157	202315
Large (10 & Above)	315298	0	0	0	71263	28801	93189	50559	46553	168053	122271	64567
All Groups	7481785	0	0	0	1585339	418425	4951248	2775299	1262451	3311015	1680562	861547

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12).

PACS: Primary Agricultural Credit Society, PLDB: Primary Land Development Bank of State Land Development Bank, CBB: Commercial Bank Branch, RRBB: Regional Rural Bank Branch

Table 15.9: Total Institutional Credit taken for Agricultural Purposes by different Size-Groups

(Amount ₹ in Lakh)

Size Group (Ha)	Amount of Institutional Credit Taken				Short Term Loans			Total
	Short Term Loans	Medium Term Loans	Long Term Loans	Total	Value of the Quantity of Fertilizer Given	Value of the Quantity of Other Inputs	Given in Cash	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Marginal (Below 1.00)	5808944	2466230	796967	9072140	1804603	475583	3528758	5808944
Small (1.0-1.99)	3696888	1402663	567151	5666702	759919	284145	2652824	3696888
Semi-Medium (2.0-3.99)	3285868	1128846	561190	4975905	598793	229180	2457896	3285868
Medium (4.0-9.99)	2375809	799368	477194	3652371	418242	165659	1791908	2375809
Large (10 & Above)	576539	244093	139921	960554	84801	33719	458019	576539
All Groups	15744048	6041200	2542423	24327671	3666358	1188286	10889405	15744048

Source: Department of Agriculture, Cooperation & Farmers Welfare (Input Survey 2011-12)

Note:- Total may not tally due to rounding off

16

Situation of Agricultural Households in India

Table 16.1: Estimated Number of Rural Households, Agricultural Households and Indebted Agricultural Households during the agricultural year July 2012-June 2013

State	(1)	(2)	(3)	(4)	(5)	(6)	(7)
	Estimated Number of Rural Households ('00)	Estimated Number of Agricultural Households('00)	% of Agricultural Households to Rural Households	Estimated Number of Agricultural Households having loan ('00)	% of Agricultural Households indebted	Average monthly income (Rs) per Agricultural Household	
Andhra Pradesh*	86763	35968	41.5	33421	92.9	5979	
Arunachal Pradesh	1659	1080	65.1	206	19.1	10869	
Assam	52494	34230	65.2	5995	17.5	6695	
Bihar	140611	70943	50.5	30156	42.5	3558	
Chhattisgarh	37472	25608	68.3	9538	37.2	5177	
Gujarat	58719	39305	66.9	16743	42.6	7926	
Haryana	25849	15693	60.7	6645	42.3	14434	
Himachal Pradesh	13251	8811	66.5	2457	27.9	8777	
Jammu & Kashmir	13746	11283	82.1	3463	30.7	12683	
Jharkhand	37516	22336	59.5	6464	28.9	4721	
Karnataka	77430	42421	54.8	32775	77.3	8832	
Kerala	51377	14043	27.3	10908	77.7	11888	
Madhya Pradesh	84666	59950	70.8	27414	45.7	6210	
Maharashtra	125182	70970	56.7	40672	57.3	7386	
Manipur	2584	1762	68.2	421	23.9	8842	
Meghalaya	4721	3544	75.1	84	2.4	11792	
Mizoram	936	758	81.0	47	6.2	9099	
Nagaland	4128	2621	63.5	65	2.5	10048	
Odisha	78120	44935	57.5	25830	57.5	4976	

(Contd.)

State	Estimated Number of Rural Households ('00)	Estimated Number of Agricultural Households('00)	% of Agricultural Rural Households	Estimated Number of Agricultural Households having loan ('00)	% of Agricultural Households indebted	Average monthly income (Rs) per Agricultural Household
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Punjab	27552	14083	51.1	7499	53.2	18059
Rajasthan	82722	64835	78.4	40055	61.8	7350
Sikkim	1150	674	58.6	97	14.4	6798
Tamil Nadu	93607	32443	34.7	26780	82.5	6980
Telangana*	49309	25389	51.5	22628	89.1	6311
Tripura	6635	2445	36.9	559	22.9	5429
Uttar Pradesh	241328	180486	74.8	79081	43.8	4701
Uttaranchal	16498	10608	64.3	5387	50.8	4923
West Bengal	141359	63624	45.0	32787	51.5	3980
UTs	2394	718	30.0	267	37.2	8568
All India	1561442	902011	57.8	468481	51.9	6426

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office(NSSO)

* Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Note: 1 Reference period for Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Table 16.2: Indebtedness of Agricultural Households(all-India) in Different Size Classes of Land Possessed

Land Possessed (ha)	Estimated Number of Agricultural Households (lakh)	% to Total in each Class	Estimated No. of Agricultural Households (lakh)	% to Total in each Class	% of Indebted Agricultural Households to Total	Average Outstanding Loan Amount (₹)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
< 0.01	23.89	2.65	10.02	2.1	41.9	31100
0.01-0.40	287.66	31.89	135.97	29.0	47.3	23900
0.41-1.00	314.81	34.90	152.16	32.5	48.3	35400
1.01-2.00	154.58	17.14	86.11	18.4	55.7	54800
2.01-4.00	84.35	9.35	56.10	12.0	66.5	94900
4.01-10.00	33.02	3.66	25.21	5.4	76.3	182700
10 & above	3.71	0.41	2.92	0.6	78.7	290300
All India	902.01	100.00	468.48	100.0	51.9	47000

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office(NSSO)

Note:1 Reference period for land possession and Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

Table 16.3: Incidence of Indebtedness in Major States

State	Estimated Number of Indebted Agricultural Households('00)	% to Total Indebted Agricultural Households	% Share in Total Foodgrains in 2016-17*	
			Area	Production
(1)	(2)	(3)	(4)	(5)
1. Uttar Pradesh	79081	16.9	15.56	17.83
2. Maharashtra	40672	8.7	9.50	5.73
3. Rajasthan	40055	8.5	11.02	7.00
4. Andhra Pradesh**	33421	7.1	3.10	3.76
5. West Bengal	32787	7.0	4.67	6.19
6. Karnataka	32775	7.0	5.69	3.50
7. Bihar	30156	6.4	5.17	5.65
8. Madhya Pradesh	27414	5.9	13.3	11.96
9. Odisha	25830	5.5	3.75	3.29
10. Telangana**	22628	4.8	2.57	3.03
11. Punjab	7499	1.6	5.02	10.15
12. Other States/UTs	96163	20.5	20.65	21.91
All India	468481	100.0	100.00	100.00

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office(NSSO) for Col-2 and 3 and Directorate of Economics & Statistics for Col-4 and 5

* As per the Fourth Advance Estimates

**Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Note: Reference period for Indebtedness is "as on the date of survey"

Table 16.4: The percentage distribution of indebted agricultural households by size class of land possessed for selected States

State	% of Marginal Indebted Agricultural Households (upto 1.0 ha of land)	% of Small Indebted Agricultural Households (1.01 to 2.00 ha)	% of Semi-Medium Indebted Agricultural Households (2.01 to 4.00 ha)	% of Medium Indebted Agricultural Households (4.01 to 10.00 ha)	% of Large Indebted Agricultural Households (>10.00 ha)
(1)	(2)	(3)	(4)	(5)	(6)
1. Uttar Pradesh	77.2	13.4	7.1	2.1	0.2
2. Maharashtra	35.6	29.3	22.8	11.6	0.7
3. Madhya Pradesh	42.3	27.4	21.4	7.5	1.3
4. Rajasthan	50.9	18.3	16.8	12.1	1.9
5. Karnataka	52.0	24.4	14.8	7.4	1.3
6. Andhra Pradesh*	52.2	23.9	16.1	6.9	0.9
7. Telangana*	51.0	23.6	19.6	5.0	0.9
8. Bihar	86.7	10.0	2.6	0.7	0.0
9. West Bengal	91.1	7.4	1.4	0.1	0.0
10. Punjab	46.2	15.9	17.9	17.6	2.4
11. Odisha	78.7	15.2	4.3	1.8	0.1
All India	63.6	18.4	12.0	5.4	0.6

Source: Situation Assessment Survey of Agricultural Households (Jan-Dec 2013), National Sample Survey Office(NSSO)

*Separate estimates for the newly formed States of Telangana and Andhra Pradesh are provided in place of erstwhile State of Andhra Pradesh

Note:1 Reference period for land possession and Indebtedness is "as on the date of survey"

2 Indebtedness relates to all kind of outstanding loans irrespective of the purpose for which taken

17

Ceiling on Land Holdings and Wages for
Agricultural Workers

Table 17.1: Ceilings on Land Holdings

(In Acres)

State	Irrigated Land with two Crops	Irrigated Land with one Crops	Dry land
(1)	(2)	(3)	(4)
As recommended in 1972 National Guidelines	10 to 18	27	54
Proposed in Agenda Notes 1985 of Regional Minister's Conference	12	18	30
Andhra Pradesh	10 to 18	15 to 27	35 to 54
Assam	17	17	17
Bihar	15 to 18	25	30 to 45
Gujarat	10 to 18	15 to 27	20 to 54
Haryana	18	27	54
Himachal Pradesh	10	15	30 to 70
Jammu & Kashmir	9 to 12.5	9 to 12.5	15 to 23 (in Ladakh 19)
Karnataka	10 to 20	25 to 30	54
Kerala	12 to 15	12 to 15	12 to 15
Madhya Pradesh	18	27	54
Maharashtra	18	27	54
Manipur	12	12	15
Mizoram	nil	nil	nil
Odisha	10	15	30 to 45
Punjab	17	27	51
Rajasthan	18	27	54 to 175
Tamil Nadu	12	30	60
Sikkim	12.5	12.5	50
Tripura	10	10	30
Uttarakhand	18	27	45
Uttar Pradesh	18	27	45
West Bengal	12	12	17
Andaman & Nicobar Islands	nil	nil	nil

Source: Department of Land Resources

Note :

1. The actual limits for lands in Karnataka and Uttar Pradesh are higher due to classification of land.
2. The actual ceiling limits in Himachal Pradesh and Rajasthan are higher due to hilly terrain and desert lands.
3. 1 Acre = 0.404686 Hectare.

Table 17.2: Minimum Rates of Wages for different category of Farm Workers in different States/ UTs under the Minimum Wages Act, 1948

(Rs.per day)

S. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
CENTRAL SPHERE (w.e.f. 01.10.2017)			
		Unskilled	308.00-341.00
		Semi-Skilled	315.00-373.00
		Skilled/clerical	342.00-405.00
		Highly Skilled	373.00-449.00
STATES/UNION TERRITORIES			
1	Andhra Pradesh (w.e.f. 01.10.2015)		265.75- 368.29
2	Arunachal Pradesh (w.e.f. 01.10.2016)	Unskilled	200.00-220.00
		Semi-skilled	210.00-230.00
		Skilled	220.00-240.00
3	Assam (w.e.f. 01.11.2016)	Unskilled	242.64
		Semi-skilled	283.08
		Skilled	353.85
		Highly Skilled	454.95
4	Bihar (w.e.f. 01.04.2017)		237
5	Chhattisgarh (w.e.f. 01.10.2017)	Unskilled	234
6	Delhi (w.e.f. 01.04.2017)	Unskilled	522
		Semi-skilled	575
		Skilled	633
7	Goa (w.e.f. 24.05.2016)		317.00-416.00
8	Gujarat (w.e.f. 19.09.2016)		178
9	Haryana (w.e.f. 01.01.2017)	Un-skilled	318.46
		Semi-skilled A	334.39
		Semi-skilled B	351.11
		Skilled A	368.66
		Skilled B	387.1
		Highly skilled	406.45

(Contd.)

S. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
10	Himachal Pradesh (w.e.f. 01.04.2017)	Unskilled	210
11	Jharkhand (w.e.f. 01.10.2016)	Tractor driver and pump operator	255.91
		Chowkidar	200.43
		All other agricultural operations	187.43
12	Jammu & Kashmir (w.e.f. 17.01.2017)	Unskilled	150
		Semi-skilled	175
		Skilled	225
		Supervisor	200
13	Karnataka (w.e.f. 01.04.2016)		303.98
14	Kerala (w.e.f. 01.10.2016)		150.00-200.00
15	Madhya Pradesh (w.e.f. 01.10.2017)	Unskilled	200
16	Maharashtra (w.e.f. 01.10.2016)		191.01
17	Manipur (w.e.f. 01.01.2017)		225-273
18	Meghalaya (w.e.f. 01.10.2016)	Unskilled	170
		Semi-skilled	181
		Skilled	191
		High- skilled	212
			(Contd.)
19	Mizoram (w.e.f. 01.04.2016)	Unskilled	270
		Semi- skilled	300
		Skilled-II	370

(Contd.)

S. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
		Skilled-I	460
20	Nagaland	Unskilled	115
	(w.e.f. 01.10.2016)	Semi-skilled	125
		Skilled	135
21	Odisha	Unskilled	200
	(w.e.f.30.04.2015)	Semi-skilled	220
		Skilled	240
		Highly skilled	260
22	Punjab (w.e.f. 01.03.2017)	Unskilled	273.09-303.62
23	Rajasthan	Unskilled	207
	(w.e.f. 01.01.2017)	Semi-skilled	217
		Skilled	227
		Highly Skilled	277
24	Tamil Nadu	For 6 hours	146
	(w.e.f. 23.01.2015)		
25	Tripura	Adult	250
	(w.e.f. 01.10.2016)	Young	174
26	Uttarakhand	Unskilled	200
	(w.e.f. 15.06.2015)		
27	Uttar Pradesh	Unskilled	161
	(w.e.f. 01.10.2016)		
28	West Bengal	Unskilled	210.00-226.00
	(w.e.f. 01.01.2017)	Semi-skilled	232.00-248.00
		Skilled	257.00-273.00
29	Andaman & Nicobar Islands	Unskilled	297.00-308.00
	(w.e.f. 01.01.2017)	Semi-skilled	309.00-317.00
		Skilled	322.00-339.00
		Highly Skilled	343.00-361.00
30	Chandigarh	Un-skilled	341
	(w.e.f. 01.04.2017)	Semi-skilled-II	347
		Semi-skilled-I	351
		Skilled-II	359

(Contd.)

S. No.	Centre/State/ UT	Category	Minimum Wages for Agricultural Workers with V.D.A (in Rs./ day)
(1)	(2)	(3)	(4)
		Skilled-I	367
		Highly Skilled	383
31	Dadra & Nagar Haveli	Unskilled	277.7
	(w.e.f. 01.04.2016)	Semi-skilled	285.7
		Skilled	293.7
32	Lakshadweep	Unskilled	255.2
	(w.e.f. 01.10.2016)	Semi-skilled	280.2
		Skilled	305.2
		Highly Skilled	330.2
33	Puducherry	Puducherry & Karaikal	70.00 & 80.00
	(w.e.f. 01.10.2016)	Yanam	55
		Mahe	120
34	Daman & Diu	Skilled	303.5
	(w.e.f. 01.04.2017)	Semi skilled	295.5
		Unskilled	287.5
35	Sikkim	NA	NA
	(w.e.f. 01.10.2016)		
36	Telangana		244.25-402.40
	(w.e.f. 01.04.2017)		

Source: Ministry of Labour & Employment

VDA: Variable Dearness Allowance, NA: Not Available

18

Livestock

Table 18.1: Livestock Population in India

Species	(Million Numbers)													
	1951 (2)	1956 (3)	1961 (4)	1966 (5)	1972 (6)	1977 (7)	1982 (8)	1987 (9)	1992 (10)	1997 (11)	2003 (12)	2007 (13)	2012 (14)	
Cattle	155.30	158.70	175.60	176.20	178.30	180.00	192.45	199.69	204.58	198.88	185.18	199.08	190.90	
Buffalo	43.40	44.90	51.20	53.00	57.40	62.00	69.78	75.97	84.21	89.92	97.92	105.34	108.70	
Total Bovines	198.70	203.60	226.80	229.20	235.70	242.00	262.36	275.82	289.00	289.00	283.10	304.76	299.98	
Sheep	39.10	39.30	40.20	42.40	40.00	41.00	48.76	45.70	50.78	57.49	61.47	71.56	65.07	
Goats	47.20	55.40	60.90	64.60	67.50	75.60	95.25	110.21	115.28	122.72	124.36	140.54	135.17	
Horses & Ponies	1.50	1.50	1.30	1.10	0.90	0.90	0.90	0.80	0.82	0.83	0.75	0.61	0.63	
Camels	0.60	0.80	0.90	1.00	1.10	1.10	1.08	1.00	1.03	0.91	0.63	0.52	0.40	
Pigs	4.40	4.90	5.20	5.00	6.90	7.60	10.07	10.63	12.79	13.29	13.52	11.13	10.29	
Mules	0.06	0.04	0.05	0.08	0.08	0.09	0.13	0.17	0.19	0.22	0.18	0.14	0.20	
Donkeys	1.30	1.10	1.10	1.10	1.00	1.00	1.02	0.96	0.97	0.88	0.65	0.44	0.32	
Yaks	NC	NC	0.02	0.03	0.04	0.13	0.13	0.04	0.06	0.06	0.06	0.08	0.08	
Total Livestock	292.80	306.60	335.40	344.10	353.60	369.00	419.59	445.29	470.86	485.39	485.00	529.70	512.06	
Poultry	73.50	94.80	114.20	115.40	138.50	159.20	207.74	275.32	307.07	347.61	489.1	648.88	729.21	
Dogs	NC	NC	NC	NC	NC	NC	18.54	17.95	21.77	25.48	16.51	19.09	11.67	
Rabbits	NC	NC	NC	NC	NC	NC	NC	NC	NC	NC	0.48	0.42	0.59	

Source: Department of Animal Husbandry, Dairying & Fisheries.

NC: Not Collected

Note: Totals may not tally due to rounding of figures

Table 18.2: All India Production of Milk, Eggs and Wool

Year	Milk (Million Tonnes)	Eggs (Billion Nos.)	Wool (Million Kgs.)
(1)	(2)	(3)	(4)
1985-86	44.0	16.1	39.1
1986-87	46.1	17.3	40.0
1987-88	46.7	17.8	40.1
1988-89	48.4	18.9	40.8
1989-90	51.4	20.2	41.7
1990-91	53.9	21.1	41.2
1991-92	55.7	21.9	41.6
1992-93	58.0	22.9	38.8
1993-94	60.6	24.2	39.9
1994-95	63.8	25.9	40.6
1995-96	66.2	27.2	42.4
1996-97	69.1	27.5	44.4
1997-98	72.1	28.7	45.6
1998-99	75.4	29.5	46.9
1999-00	78.3	30.4	47.9
2000-01	80.6	36.6	48.4
2001-02	84.4	38.7	49.5
2002-03	86.2	39.8	50.5
2003-04	88.1	40.4	48.5
2004-05	92.5	45.2	44.6
2005-06	97.1	46.2	44.9
2006-07	102.6	50.7	45.1
2007-08	107.9	53.6	43.9
2008-09	112.2	55.6	42.8
2009-10	116.4	60.3	43.1
2010-11	121.8	63.0	43.0
2012-12	127.9	66.5	44.7
2012-13	132.4	69.7	46.1
2013-14	137.7	74.8	47.9
2014-15	146.3	78.5	48.1
2015-16	155.5	82.9	43.6
2016-17	163.7	88.1	43.5

Source : Department of Animal Husbandry, Dairying & Fisheries.

Table 18.3: State-wise Production of Milk, Eggs, Meat and Wool

States/UTs	Milk ('000 Tonnes)													Egg (Lakh Nos.)			
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
Andhra Pradesh#	12088	12762	13007	9656	10817	12178	212103	222974	227875	130958	141743	158274					
Arunachal Pradesh	22	23	43	46	50	53	419	439	400	417	427	495					
Assam	796	800	815	829	843	861	4705	4710	4717	4728	4740	4771					
Bihar	6643	6845	7197	7775	8288	8711	7552	8372	9308	9845	10021	11117					
Chhattisgarh	1119	1164	1209	1232	1277	1374	12984	13704	14330	14732	15028	16638					
Goa	60	61	68	67	54	51	149	458	60	75	352	292					
Gujarat	9817	10315	11112	11691	12262	12784	14269	14558	15551	16565	17216	17940					
Haryana	6661	7040	7442	7901	8381	8975	41142	42343	43591	45790	49133	52139					
Himachal Pradesh	1120	1139	1151	1172	1283	1329	1050	1069	1075	1084	812	959					
Jammu & Kashmir	1614	1631	1615	1951	2273	2376	6520	6715	6649	4958	2309	2305					
Jharkhand	1745	1679	1700	1734	1812	1894	4313	4239	4445	4663	4833	5103					
Karnataka	5447	5718	5997	6121	6344	6562	34699	36773	41301	43968	47660	50671					
Kerala	2716	2791	2655	2711	2650	2520	17049	22375	24769	25036	24425	23444					
Madhya Pradesh	8149	8838	9599	10779	12148	13445	7972	8711	9671	11776	14414	16940					
Maharashtra	8469	8734	9089	9542	10153	10402	43861	45661	48315	50792	52858	54774					
Manipur	79	80	82	82	79	79	1149	1162	1164	1129	1037	992					
Meghalaya	80	81	82	83	84	84	1021	1028	1049	1057	1064	1064					
Mizoram	14	14	15	20	22	24	349	352	362	377	391	408					
Nagaland	78	79	81	76	77	79	704	618	223	353	465	397					
Odisha	1721	1724	1861	1903	1930	2003	23007	23230	23609	19245	19273	19745					

(Contd.)

States/UTs	Milk ('000 Tonnes)													Egg (Lakh Nos.)												
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Punjab	9551	9724	10011	10351	10774	11282	36030	37911	43376	42642	44218	47826														
Rajasthan	13512	13946	14573	16934	18500	19357	9605	10335	11903	13202	13853	13633														
Sikkim	45	42	46	50	67	54	146	146	99	58	102	68														
Tamil Nadu	6968	7005	7049	7132	7244	7556	118518	119334	141235	159253	161252	166824														
Telangana	-	-	-	4207	4442	4681	-	-	-	106185	112058	118186														
Tripura	111	118	130	141	152	160	1650	1565	1794	1979	2161	2294														
Uttar Pradesh	22556	23330	24194	25198	26387	27551	16075	17074	18122	20776	21929	22889														
Uttarakhand	1417	1478	1550	1565	1656	1692	2712	3079	3370	3697	3907	4119														
West Bengal	4672	4859	4906	4961	5038	5183	43433	47115	47460	48136	60108	65536														
A&N Islands	26	21	14	16	15	16	780	741	1193	861	989	1032														
Chandigarh	45	44	44	44	43	36	181	170	173	169	167	154														
D.& N. Haveli	11	11	11	9	9	8	73	73	73	73	73	73														
Daman & Diu	1	1	1	1	1	1	20	20	13	19	18	18														
Delhi	502	287	284	280	281	279	1	-	-	-	0	0														
Lakshadweep	2	2	6	4	3	3	140	140	129	126	144	147														
Puducherry	45	47	47	48	48	48	116	113	113	113	114	116														
All India	127904	132431	137686	146314	155491	163694	664499	697307	747519	784839	829294	881386														

(Contd.)

Table 18.3: State-wise Production of Milk, Eggs, Meat and Wool

States/UTs	Meat ('000 Tonnes)													Wool ('000 Kgs)												
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	
Andhra Pradesh#	824	906	935	528	566	633	4924	5031	5037	778	789	792														
Arunachal Pradesh	19	18	18	19	19	20	17	18	22	24	36	58														
Assam	34	37	38	43	45	47	-	-	-	-	-	-														
Bihar	228	228	292	294	302	326	266	267	271	278	240	281														
Chhattisgarh	30	34	29	38	41	49	104	107	106	116	90	87														
Goa	10	8	5	8	8	7	-	-	-	-	-	-														
Gujarat	35	35	33	34	34	33	2819	2664	2578	2577	2283	2267														
Haryana	337	348	367	381	403	427	1333	1370	1390	1429	702	691														
Himachal Pradesh	4	4	4	4	4	4	1648	1649	1655	1663	1409	1475														
Jammu & Kashmir	32	34	33	45	75	85	7530	7681	8710	8371	6866	7266														
Jharkhand	46	45	45	48	51	55	202	159	156	161	166	178														
Karnataka	140	166	170	181	197	209	7779	8020	7755	8821	8191	6588														
Kerala	426	401	416	446	466	469	-	-	-	-	-	-														
Madhya Pradesh	39	43	48	59	70	79	413	442	466	484	442	406														
Maharashtra	585	591	605	631	675	845	1469	1503	1539	1386	1390	1407														
Manipur	24	25	25	27	26	27	-	-	-	-	-	-														
Meghalaya	38	39	40	41	41	41	-	-	-	-	-	-														
Mizoram	13	12	12	13	14	15	-	-	-	-	-	-														
Nagaland	78	71	67	67	36	31	-	-	-	-	-	-														
Odisha	138	141	154	163	165	177	-	-	-	-	-	-														

(Contd.)

States/UTs	Meat ('000 Tonnes)													Wool ('000 Kgs)				
	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2013-14	2014-15	2015-16	2016-17		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(10)	(11)	(12)	(13)		
Punjab	181	212	235	237	250	249	532	558	558	461	473	490	558	461	473	490		
Rajasthan	122	152	175	181	180	180	13192	14007	14007	14463	13415	14321	15027	14463	13415	14321		
Sikkim	3	3	3	3	6	4	1	1	1	0	0	0	1	0	0	0		
Tamil Nadu	460	462	465	492	544	573	1	1	1	1	1	2	2	1	1	2		
Telangana	-	32	-	505	542	591	-	-	-	4423	4562	4658	-	4423	4562	4658		
Tripura	25	32	32	34	37	40	-	-	-	-	-	-	-	-	-	-		
Uttar Pradesh	956	1137	1221	1397	1418	1346	1420	1456	1473	1494	1265	1286	1473	1494	1265	1286		
Uttarakhand	16	22	24	26	271	28	371	400	440	469	513	538	440	469	513	538		
West Bengal	611	648	649	657	686	706	713	722	725	740	748	753	722	740	748	753		
A&N Islands	0	0	2	5	5	5	-	-	-	-	-	-	-	-	-	-		
Chandigarh	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-		
D.& N. Haveli	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-		
Daman & Diu	0	0	0	1	1	1	-	-	-	-	-	-	-	-	-	-		
Delhi	45	81	77	70	70	66	-	-	-	-	-	-	-	-	-	-		
Lakshadweep	0	0	0	0	1	0	-	-	-	-	-	-	-	-	-	-		
Puducherry	14	14	14	14	15	15	-	-	-	-	-	-	-	-	-	-		
All India	5514	5948	6235	6691	7020	7386	44734	46055	47909	48140	43581	43544	47909	48140	43581	43544		

Source: Department of Animal Husbandry, Dairying & Fisheries.
Till 2013-14 the figures of Andhra Pradesh includes Telangana
" - " Not Available/Not Received

19

Fish Production

Table 19.1: Fish Production in India

			('000 Tonnes)
Year	Marine	Inland	Total
(1)	(2)	(3)	(4)
1950-51	534	218	752
1955-56	596	243	839
1960-61	880	280	1160
1965-66	824	507	1331
1970-71	1086	670	1756
1973-74	1210	748	1958
1978-79	1490	816	2306
1979-80	1492	848	2340
1980-81	1555	887	2442
1981-82	1445	999	2444
1982-83	1427	940	2367
1983-84	1519	987	2506
1984-85	1698	1103	2801
1985-86	1716	1160	2876
1986-87	1713	1229	2942
1987-88	1658	1301	2959
1988-89	1817	1335	3152
1989-90	2275	1402	3677
1990-91	2300	1536	3836
1991-92	2447	1710	4157
1992-93	2576	1789	4365
1993-94	2649	1995	4644
1994-95	2692	2097	4789
1995-96	2707	2242	4949
1996-97	2967	2381	5348
1997-98	2950	2438	5388
1998-99	2696	2602	5298
1999-00	2852	2823	5675
2000-01	2811	2845	5656
2001-02	2830	3126	5956
2002-03	2990	3210	6200
2003-04	2941	3458	6399
2004-05	2779	3526	6305
2005-06	2816	3756	6572
2006-07	3024	3845	6869
2007-08	2920	4207	7127
2008-09	2978	4638	7616
2009-10	3104	4894	7998
2010-11	3250	4981	8231
2011-12	3372	5294	8666
2012-13	3321	5719	9040
2013-14	3443	6136	9579
2014-15	3569	6691	10260
2015-16	3600	7162	10762
2016-17 (P)	3641	7768	11409

Source: Department of Animal Husbandry Dairying & Fisheries

P: Provisional

Table 19.2: State-wise Production of Fish

S. No.	State/UTs	2014-15			2015-16			2016-17 (P)			Total (11)
		Inland (3)	Marine (4)	Total (5)	Inland (6)	Marine (7)	Total (8)	Inland (9)	Marine (10)		
										(1)	
1	Andhra Pradesh	1503180	475400	1978580	1831990	520270	2352260	2185950	580240	2766190	
2	Arumachal Pradesh	4000	0	4000	4050	0	4050	4110	0	4110	
3	Assam	282700	0	282700	294200	0	294200	306600	0	306600	
4	Bihar	479800	0	479800	506890	0	506890	510000	0	510000	
5	Chhattisgarh	314160	0	314160	342300	0	342300	376800	0	376800	
6	Goa	3280	114700	117980	4840	107070	111910	4340	113560	117890	
7	Gujarat	111480	698450	809930	112230	697330	809560	113270	698830	812100	
8	Haryana	111200	0	111200	121000	0	121000	144210	0	144210	
9	Himachal Pradesh	10740	0	10740	11800	0	11800	12480	0	12480	
10	Jammu & Kashmir	20300	0	20300	20080	0	20080	18800	0	18800	
11	Jharkhand	106430	0	106430	116000	0	116000	145160	0	145160	
12	Karnataka	223420	399820	623240	168830	411740	580570	158560	398930	557490	
13	Kerala	201550	524470	726010	210760	516750	727510	161440	447280	608720	
14	Madhya Pradesh	109120	0	109120	115020	0	115020	138690	0	138690	
15	Maharashtra	144480	463590	608070	145570	434120	579690	200170	462750	662910	
16	Manipur	30500	0	30500	32040	0	32040	32000	0	32000	
17	Meghalaya	6040	0	6040	11340	0	11340	10	0	10	
18	Mizoram	6390	0	6390	6830	0	6830	7630	0	7630	
19	Nagaland	7840	0	7840	8220	0	8220	8610	0	8610	
20	Odisha	336340	133210	469550	376520	144760	521280	455000	153100	608100	

(Contd.)

S. No.	State/UTs	2014-15			2015-16			2016-17 (P)		
		Inland	Marine	Total	Inland	Marine	Total	Inland	Marine	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
21	Punjab	114770	0	114770	120090	0	120090	112130	0	112130
22	Rajasthan	45420	0	45420	42460	0	42460	50200	0	50200
23	Sikkim	440	0	440	400	0	400	400	0	400
24	Tamil Nadu	240160	457450	697610	242560	466600	709160	197300	472000	669310
25	Telangana	268360	0	268360	236750	0	236750	198920	0	198920
26	Tripura	65160	0	65160	69060	0	69060	72450	0	72450
27	Uttarakhand	3940	0	3940	4140	0	4140	4300	0	4300
28	Uttar Pradesh	494270	0	494270	504810	0	504810	617690	0	617690
29	West Bengal	1438470	178850	1617320	1493220	178200	1671420	1525290	176530	1701820
30	A and N Islands	200	36980	37180	200	37130	37330	230	38580	38810
31	Chandigarh	120	0	120	130	0	130	130	0	130
32	D&Nagar Haveli	60	0	60	0	0	0	0	0	0
33	Daman and Diu	280	31540	31820	480	22550	23030	620	23400	24020
34	Delhi	680	0	680	710	0	710	720	0	720
35	Lakshadweep	0	13190	13190	0	15940	15940	0	29800	29800
36	Puducherry	5570	41830	47400	6560	47250	53810	4320	45930	50250
	All India	6690800	3569480	10260280	7162060	3599690	10761760	7768520	3640930	11409450

Source : Director of Fisheries State Govt. / UTs Administration

P: Provisional

20

Rainfall Scenario and Management of Natural Disasters

20.1: Rainfall Status

Rainfall in 2017 (January – December, 2017)

In 2017, the rainfall (January to December, 2017) over the country as a whole was 94% of Long Period Average (LPA). Out of 36 meteorological subdivisions, 29 received excess/normal rainfall and 07 received deficient rainfall. Season wise rainfall distribution over the country as a whole was as follows:

Winter (January to February 2017):	95% of LPA
Pre-monsoon (March to May 2017):	98% of LPA
Monsoon (June to September 2017):	95% of LPA
Post-Monsoon (October to December 2017):	89% of LPA

Season-wise Performance

Winter Season (January – February 2017)

During the winter season rainfall activity over the country as a whole was 95% of the LPA rainfall. At met sub-division level, 05 subdivisions received large excess/excess rainfall, 05 subdivisions received normal rainfall, 08 received deficient, 12 received large deficient rainfall and 06 received no rainfall out of 36 met subdivisions.

Pre-Monsoon Season (March – May 2017)

Rainfall activity during the Pre-monsoon season over the country as a whole was recorded normal at 98% of LPA rainfall. Out of 36 meteorological sub-divisions, 05 received large excess/excess rainfall, 13 received normal rainfall, 15 received deficient rainfall and 03 met sub-divisions received large deficient rainfall.

Monsoon Season (June – September 2017)

During the monsoon season for the country as a whole, rainfall was 95% of its Long Period Average (LPA). Seasonal rainfall was 90% of LPA over Northwest India, 94% of its LPA over Central India, 96% of its LPA over East and Northeast (NE) India and equal to LPA in south Peninsula. At met sub-division level, out of 36 met sub-divisions, 05 met sub-divisions received excess rainfall, 25 sub-divisions received normal rainfall and 06 sub-divisions received deficient rainfall. Excess/normal rainfall sub-divisions covered 83% of the geographical area of the country. Out of 630 districts for which rainfall data were available, 23 districts (4%) received large excess rainfall, 79 districts (12%) received excess rainfall, 313 districts (50%) normal rainfall, 207 districts (33%) deficient rainfall and 08 districts (1%) received large deficient rainfall.

Post-Monsoon Season (October - December 2017)

Rainfall activity during the Post-monsoon season for the country as a whole was recorded deficit rainfall with 89% of LPA. Out of 36 meteorological sub-divisions, 05 subdivisions received large excess/excess rainfall, 14 received normal rainfall 08 received deficient rainfall and 09 met sub-divisions received large deficient rainfall.

Table 20.2: Performance of South West Monsoon during 1989 to 2017 (1 June - 30 September)

Year	Number of Meteorological Sub-Divisions @		Percentage of Districts with Normal/ Excess Rainfall	Actual Rainfall as % of Normal Rainfall (All India)
	Excess/ Normal Rainfall	Deficient/ Scanty Rainfall		
(1)	(2)	(3)	(4)	(5)
1989	29	6	72	101
1990	32	3	88	119
1991	27	8	68	91
1992	32	3	65	93
1993	31	4	78	100
1994	25	10	77	110
1995	33	2	79	100
1996	32	3	82	103
1997	32	3	81	102
1998	33	2	83	106
1999	28	7	67	96
2000	28	7	66	92
2001	30	5	68	92
2002	15	21	39	81
2003	33	3	77	102
2004	23	13	56	87
2005	32	4	72	99
2006	26	10	59	100
2007	31	5	72	106
2008	33	3	76	98
2009	14	22	41	77
2010	31	5	69	102
2011	33	3	76	101
2012	23	13	58	92
2013	30	6	72	106
2014	24	12	55	88
2015	19	17	51	86
2016	27	9	68	97
2017	30	6	66	95

Source: Directorate of Economics & Statistics, DAC&FW

@ Total number of Meteorological sub-divisions was 35 upto 2001. From 2002 onwards, the no. of meteorological sub-divisions is 36.

Excess : + 20% or more of Long Period Average Rainfall

Normal : Between + 19% and -19% of Long Period Average Rainfall

Deficient : Between -20% and -59% of Long Period Average Rainfall

Scanty : Between -60% and -99% of Long Period Average Rainfall

Table 20.3: All India rainfall distribution from 1992-93 to 2017-18

Year	(In Millimeters)														
	Monsoon Season (June-September)			Post-Monsoon (October-December)			Winter Season* (January-February)			Pre-monsoon Season (March-May)			Overall Rainfall (June-May)		
	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1992-93	830.7	899.2	-7.6	106.5	114.1	-6.7	37.9	41.0	-7.6	116.5	121.3	-4.0	1091.6	1175.6	-7.1
1993-94	902.1	908.9	-0.7	131.6	119.6	10.0	44.5	40.8	9.1	106.1	123.3	-13.9	1184.3	1192.6	-0.7
1994-95	999.2	906.8	10.2	121.5	119.6	1.6	53.1	41.1	29.2	123.5	123.2	0.2	1297.3	1190.7	9.0
1995-96	904.5	904.7	0.0	117.8	119.9	-1.8	37.4	40.8	-8.3	94.9	123.9	-23.4	1154.6	1189.3	-2.9
1996-97	927.6	905.7	2.4	128.0	120.8	6.0	21.0	40.6	-48.3	118.9	123.2	-3.5	1195.5	1190.3	0.4
1997-98	927.4	908.6	2.1	187.7	119.5	57.1	44.1	41.9	5.3	132.3	128.3	3.1	1291.5	1198.3	7.8
1998-99	945.2	903.6	4.6	178.8	121.8	46.8	28.4	42.8	-33.6	123.1	130.6	-5.7	1275.5	1198.8	6.4
1999-00	866.9	903.2	-4.0	144.7	121.8	18.8	43.1	42.5	1.4	128.8	129.5	-0.5	1183.5	1197.0	-1.1
2000-01	833.7	902.3	-7.6	64.1	121.7	-47.3	16.2	42.2	-61.6	129.7	129.3	0.3	1043.7	1195.5	-12.7
2001-02	826.0	901.1	-8.3	137.7	121.7	13.1	35.0	41.2	-15.0	121.5	132.0	-8.0	1120.2	1196.0	-6.3
2002-03	737.1	911.7	-19.2	83.4	123.7	-32.6	53.2	38.3	38.9	107.7	131.7	-18.2	981.4	1205.4	-18.6
2003-04	947.3	902.7	4.9	134.6	125.0	7.7	34.5	39.2	-12.0	161.6	129.6	24.7	1278.0	1196.5	6.8
2004-05	779.6	893.3	-12.7	111.8	125.7	-11.1	69.8	43.8	59.0	124.7	134.5	-7.3	1085.9	1197.3	-9.3
2005-06	879.3	892.5	-1.0	138.4	125.8	10.0	27.8	43.9	-37.0	139.9	134.6	3.9	1185.4	1196.8	-1.0
2006-07	886.6	892.2	-0.6	99.3	125.9	-21.1	34.3	43.8	-21.7	112.8	133.6	-15.6	1133.0	1195.5	-5.2
2007-08	936.9	892.2	5.0	85.4	125.9	-32.2	42.6	43.2	-1.4	115.3	133.5	-13.6	1180.2	1194.8	-1.2
2008-09	873.2	892.2	-2.1	87.2	125.9	-30.7	23.6	43.8	-46.1	91.0	134.5	-32.3	1075.0	1196.4	-10.1

(Contd.)

Year	Monsoon Season (June-September)			Post-Monsoon (October-December)			Winter Season* (January-February)			Pre-monsoon Season (March-May)			Overall Rainfall (June-May)		
	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.	Actual	Normal	%Dep.
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
2009-10	689.8	892.2	-22.7	135.5	125.9	7.6	24.6	43.8	-43.8	122.9	133.7	-8.1	972.8	1195.6	-18.6
2010-11	912.8	893.2	2.2	153.2	126.3	21.3	31.9	40.9	-22.0	114.4	131.3	-12.9	1212.3	1191.7	1.7
2011-12	899.9	887.5	1.4	65.7	127.2	-48.3	38.8	40.9	-5.1	90.3	131.3	-31.2	1094.7	1186.9	-7.8
2012-13	819.5	886.9	-7.6	100.6	127.2	-20.9	51.4	40.9	25.7	101.9	131.3	-22.4	1073.4	1186.3	-9.5
2013-14	936.7	886.9	5.6	149.5	127.2	17.5	46.2	40.9	13.0	130	131.3	-1.0	1262.4	1186.3	6.4
2014-15	777.5	886.9	-12.3	85.2	127.2	-33.0	37.6	41.4	-9.2	181.5	131.5	38.0	1081.8	1187.0	-8.9
2015-16	760.6	887.5	-14.3	97.8	127.2	-23.1	17.9	41.4	-56.8	131.0	131.5	-0.4	1007.3	1187.6	-15.2
2016-17	862.0	887.5	-2.9	69.7	127.2	-45.2	39.3	41.4	-5.1	128.4	131.5	-2.4	1099.4	1187.6	-7.4
2017-18	841.3	887.5	-5.2	112.7	127.2	-11.4	1.0	5.3	-81.1						

Source: Directorate of Economics & Statistics, DAC&FW

*: Till 10.01.2018.

Table 20.4: Broad region-wise Monsoon (June-September) Rainfall Distribution from 2005 to 2017

Year	North-West India			Central India			South Peninsula			East & North-East India		
	Actual	Normal	%Departure	Actual	Normal	%Departure	Actual	Normal	%Departure	Actual	Normal	%Departure
	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
2005	552.1	611.6	-10	1094.9	993.2	10	808.9	722.6	12	1140.9	1430.7	-20
2006	573.7	611.6	-6	1152.2	993.9	16	684.6	722.6	-5	1177.6	1427.3	-17
2007	520.8	611.6	-15	1073.8	993.9	8	907.3	722.6	26	1485.9	1427.3	4
2008	651.7	611.6	7	956.9	993.9	-4	692.5	722.6	-4	1346.0	1427.3	-6
2009	392.1	611.6	-36	794.8	993.9	-20	693.0	722.6	-4	1037.7	1427.3	-27
2010	688.2	613.0	12	1027.9	991.5	4	853.6	722.9	18	1175.8	1436.2	-18
2011	654.8	615.0	7	1073.6	975.5	10	715.2	715.5	0	1233.6	1438.3	-14
2012	569.3	615.0	-7	934.6	974.2	-4	644.0	715.7	-10	1275.3	1437.8	-11
2013	671.8	615.0	9	1195.3	974.2	23	825.6	715.7	15	1037.9	1437.8	-28
2014	483.1	615.0	-21	879.7	974.2	-10	665.4	715.7	-7	1267.7	1437.8	-12
2015	510.6	615.0	-17	815.5	975.5	-16	605.7	716.1	-15	1317.5	1438.3	-8
2016	584.2	615.0	-5	1034.1	975.5	6	661.5	716.1	-8	1281.5	1438.3	-11
2017	552.9	615.0	-10	918.8	975.5	-6	717.6	716.1	0	1386.4	1438.3	-4

Source: Directorate of Economics & Statistics, DAC&FW

Table 20.5 : Rainfall in 2017

S. No.	Meteorological Sub-Divisions	Total Rainfall in Winter-2017			Total Rainfall in pre-Monsoon-2017			Total Rainfall in Monsoon-2017			Total Rainfall in post-Monsoon-2017			Total Rainfall in 2017 (Jan. to Dec)		
		Normal	Actual	Deviation	Normal	Actual	Deviation	Normal	Actual	Deviation	Normal	Actual	Deviation	Normal	Actual	Deviation
		(cms)	(4)	(%)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)
1	A & N Islands	8.3	23.4	183	46.5	41.7	-10	168.3	152.6	-9	69.6	71.3	2	292.6	289.0	-1
2	Arunachal Pradesh	14.8	9.0	-39	75.0	82.5	10	176.8	157.2	-11	26.7	23.6	-12	293.4	272.3	-7
3	Assam & Meghalaya	4.7	4.1	-13	59.0	68.9	17	179.3	161.5	-10	19.5	23.6	21	262.5	258.0	-2
4	Naga, Mani, Mizo & Tripura	4.4	1.3	-72	49.4	58.9	19	149.7	187.1	25	24.3	37.4	54	227.8	284.6	25
5	Sub-Himalayan, WB & Sikkim	6.0	0.8	-87	45.7	41.8	-9	200.6	204.0	2	18.5	17.1	-7	270.9	263.7	-3
6	Gangetic West Bengal	3.4	0.2	-94	16.5	16.4	0	116.8	113.3	-3	16.0	26.1	63	152.7	156.0	2
7	Odisha	3.2	0.2	-95	13.5	9.4	-31	115.0	105.2	-9	14.4	19.6	36	146.1	134.3	-8
8	Jharkhand	3.3	0.5	-84	7.9	6.3	-20	109.2	97.9	-10	9.2	10.6	16	129.6	115.4	-11
9	Bihar	2.3	0.0	-98	7.8	12.5	61	102.8	93.7	-9	7.8	5.0	-36	120.6	111.2	-8
10	East U.P.	2.9	1.0	-66	3.2	3.2	1	89.8	64.8	-28	6.0	0.3	-95	101.9	69.3	-32
11	West U.P.	3.3	2.3	-32	2.9	2.3	-20	76.9	53.1	-31	5.4	0.2	-96	88.6	57.9	-35
12	Uttarakhand	10.6	5.1	-52	15.6	20.6	32	122.9	119.9	-2	9.0	2.1	-76	158.1	147.7	-7
13	Haryana, Chd., and Delhi	3.3	3.5	5	3.4	2.2	-36	46.6	34.6	-26	2.9	0.6	-81	56.3	40.8	-28
14	Punjab	5.0	4.5	-8	5.4	3.9	-27	49.2	38.5	-22	4.1	2.2	-47	63.6	49.1	-23
15	Himachal Pradesh	19.6	20.5	5	24.5	20.6	-16	82.5	72.1	-13	10.8	5.5	-49	137.4	118.7	-14
16	Jammu & Kashmir	21.3	36.1	70	32.6	28.0	-14	53.5	54.5	2	13.2	9.3	-29	120.5	128.0	6
17	West Rajasthan	0.7	0.6	-18	1.9	3.3	73	26.3	36.6	39	1.0	0.2	-76	29.9	40.7	36
18	East Rajasthan	1.1	0.8	-20	1.7	2.0	16	61.6	56.6	-8	2.8	0.3	-89	67.1	59.8	-11
19	West Madhya Pradesh	1.4	0.7	-52	1.4	0.8	-38	87.6	73.8	-16	5.3	1.6	-70	95.6	76.9	-20

(Contd.)

S. No.	Meteorological Sub-Divisions	Total Rainfall in Winter-2017				Total Rainfall in pre-Monsoon-2017				Total Rainfall in Monsoon-2017				Total Rainfall in post-Monsoon-2017				Total Rainfall in 2017 (Jan. to Dec)			
		Normal		Deviation		Normal		Deviation		Normal		Deviation		Normal		Deviation		Normal		Deviation	
		(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)	(cms)	(%)
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)					
20	East MP	3.5	1.1	-68	2.5	1.3	-47	105.1	79.6	-24	5.8	2.0	-66	116.9	84.0	-28					
21	Gujarat Region	0.1	0.0	-100	0.7	0.0	-97	91.5	99.5	9	3.5	2.7	-23	95.7	102.2	7					
22	Saurashtra, Kutch & Diu	0.0	0.0	-68	0.4	0.0	-96	47.8	64.6	35	3.0	0.6	-79	51.1	65.3	28					
23	Konkan & Goa	0.0	0.0	-100	3.7	4.8	29	291.5	320.6	10	14.9	18.3	23	310.1	343.7	11					
24	Madhya Maharashtra	0.2	0.0	-100	3.8	1.8	-53	72.9	85.3	17	10.8	12.2	13	87.7	99.3	13					
25	Marathwada	0.7	0.0	-100	3.0	0.8	-73	68.3	64.2	-6	10.2	10.5	4	82.2	75.6	-8					
26	Vidarbha	1.7	0.0	-99	3.1	1.3	-57	95.5	73.2	-23	8.2	5.8	-29	108.5	80.3	-26					
27	Chhattisgarh	2.1	0.2	-92	4.7	2.1	-56	115.3	103.9	-10	7.8	6.2	-21	129.9	112.3	-14					
28	Coastal Andhra Pradesh	1.9	0.1	-95	9.7	5.2	-46	58.1	66.3	14	32.7	17.0	-48	102.4	88.6	-13					
29	Telangana	1.1	0.0	-100	5.7	3.4	-40	75.5	65.7	-13	11.9	12.0	0	94.3	81.1	-14					
30	Rayalseema	0.7	0.4	-41	8.2	6.2	-25	39.8	50.6	27	21.9	26.1	19	70.6	83.3	18					
31	Tamil Nadu & Pondicherry	3.1	3.8	24	12.8	12.6	-2	31.7	41.4	31	43.8	39.4	-10	91.4	97.3	6					
32	Coastal Karnataka	0.1	0.1	20	17.9	14.4	-20	308.4	259.6	-16	26.3	21.6	-18	352.6	295.7	-16					
33	North Interior Karnataka	0.4	0.0	-100	8.5	6.6	-23	50.6	52.3	3	14.5	15.5	7	74.0	74.4	0					
34	South Interior Karnataka	0.4	0.6	26	14.5	19.2	32	66.0	67.0	2	21.0	20.1	-4	101.9	106.9	5					
35	Kerala	2.4	1.3	-46	38.0	35.5	-7	204.0	185.7	-9	48.1	44.5	-7	292.4	267.0	-9					
36	Lakshadweep	3.6	2.2	-37	23.2	24.8	7	99.9	110.8	11	33.4	36.1	8	160.0	173.9	9					
	All-India (Area Weighted)	4.1	3.9	-5	13.2	12.8	-2	88.8	84.1	-5	12.7	11.3	-11	118.8	112.2	-6					

Source: Directorate of Economics & Statistics, DAC&FW

Winter - (Jan - Feb)

Monsoon - (June - Sept.)

Post-Monsoon - (Oct- Dec)

Table 20.6: Brief History of Most Intense Cyclones from 1970 -2017

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
I. Over the Arabian Sea					
1	Severe Cyclonic Storm over the Arabian sea	October 19-24 1975	N/A	180 Knots	74 Kmph 85 people died in the districts of Junagarh, Jamnagar and Rajkot of Gujarat state. This cyclone caused considerable damage estimated to be about ₹ 75 Crores.
2	Severe Cyclonic Storm over the Arabian sea	May 31 - June 5 1976	N/A	90 Knots	167 Kmph This cyclone caused damage which was estimated to be about ₹ 3 Crores. 4 Barges each containing 5 lakh and 6 fishing boats were swept away. Mahasana, Bhavnagar, Kaira, Panchmahal, Rajkot and Bharoch districts of Gujarat state were most affected areas.
3	Severe Cyclonic Storm over the Arabian sea	November 13 - 23 1977	T-5.5 (As per US satellite)	90 Knots	167 Kmph Kerala and Lakshadweep were most affected areas due to this storm. People killed - 72, Houses damaged -8400 and 620 fishing vessels damaged in Kerala coast. Total loss was estimated to be about ₹10 crores.
4	Gujarat Cyclone	November 5 - 13 1978	N/A	278 Kmph	Damage to property reported.
5	Severe Cyclonic Storm over the Arabian sea	October 28 - November 3, 1981	T- 4.0 (as per US satellite)	65 Knots	120 Kmph Junagadh, Rajkot and Jamnagar of Gujarat state were most affected areas, Total loss of damage to property was estimated to be about ₹ 52 Crores.
6	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	N/A	N/A	Saurashtra Coast of Gujarat about 45 km east of Veraval was affected very much by this storm. 507 people died and 1.5 lakh livestock perished.
7	Severe Cyclonic Storm over the Arabian sea	November 4-9, 1982	T- 4.0	50 Knots	93 Kmph 50 fishermen were reported missing in Gujarat Coast.
8	Severe Cyclonic Storm over the Arabian sea	June 17-20, 1996	T-3.5	60 Knots	111 Kmph 19 Districts of Gujarat State were affected. 33 people died. 27964 pucca houses were destroyed. Total estimated loss was ₹ 1803.52 lakh.
9	Severe Cyclonic Storm over the Arabian sea	October 23-28, 1996	T-4.0	60 Knots	111 Kmph As the system did not cross the coast no significant damage was reported.

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage	
(1)	(2)	(3)	(4)	(5)	(6)	
10	Very severe Cyclonic Storm over the Arabian sea	June 4-10, 1998	T-5.0	90 Knots	167 Kmph	Gujarat & Rajasthan states were affected. Porbander of Gujarat state was the most affected area. Loss incurred due to storm was estimated to be about ₹1855.38 Crores in Kandla. Number of lives lost 1173 and number of persons missing 1774 in Gujarat.
11	Very severe Cyclonic Storm over the Arabian sea	May 16-22, 1999	T- 5.5	55 Knots	102 Kmph	This system caused severe damage in Kutch and Jamnagar districts of Gujarat. 453 people died. Loss of property was estimated to be about ₹ 80 crores. In Rajasthan one person died and 5104 cattle heads perished. 5133 houses were partially damaged.
12	Severe Cyclonic Storm over Arabian sea	May 5-10, 2004	3.5	Weakened over sea		Widespread damage caused at Lakshadweep. Several houses damaged due to wind, sea wave, falling of trees and floods. 45 houses, 35 boats and small mechanized cargo ships lost in sea near land. 16 boats reported sunk and cargo boat damaged. Sea erosion reported over Kerala and 9 people dead and 17 people missing. Total loss worth ₹30 crores.
13	Severe Cyclonic" Storm MUKDA", over Arabian sea	September 21-24,2006	3.5	55 Knots	102 Kmph	No damage as dissipated over the Arabian Sea.
14	Super cyclone "GONU"	01-07 June 2007	T-6.5	127 knots		The system crossed Makaran coast and hence there was no damage in India
15	Cyclonic storm "YEMYN"	25 - 26 June 2007	T - 2.5	35 knots		The cyclone crossed Pakistan coast and hence there was no damage in India
16	Cyclonic Storm PHYAN (Arabian sea)	9-12 Nov. 2009	3.0	45 Knots	83 Kmph	According to State Govt. and news agencies reports, it caused damage to lives, crops and properties in Goa and Konkan region especially in Ratnagiri, Sindhudurg, Raigadh and Thane districts. About 1000 houses damaged, seven persons died and about 44 fishermen missing

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage	
(1)	(2)	(3)	(4)	(5)	(6)	
17	Cyclonic Storm WARD (Arabian sea)	10-15 Dec.2009	3.0	45 Kts (83 Km/h)	No damage over India.	
18	Cyclonic Storm Bandu	May 19 -23	2010	2.5	40 knots	
19	Cyclonic Storm Phet	May 31 - 07 June	2010	4.5	85 knots	
20	Cyclonic Storm "KEILAI"	29 th October to 4 th November, 2011	T 2.5	35 kts (65 km/h)	No damages over India.	
21	Cyclonic Storm "NANAIUK"	10 th June to 14 th June, 2014	T 3.0	45 kts (83 km/h)	No damages over India.	
22	Very severe Cyclonic Storm 'NILOFAR'	25 th October to 31st October, 2014	T 5.5	110 kts (204 km/h)	No damages over India.	
23	Cyclonic Storm "Ashobaa"	7-12 June, 2015	T 3.0	45 Knots	Dissipated over Northwest Arabian Sea as a well-marked low pressure at 1200 UTC on 12.06.2015. No damage occurred over India due to this system.	
24	Extremely severe Cyclonic Storm "Chapala"	28th Oct. 2015	T 6.0	115 Knots	5 persons were killed in Socotra Island. It caused widespread damage as it brushed past Socotra Island. Of yemen on 3.11.15 between 0100-0200 UTC (14.1° N, 48.65° E). More than 50,000 people in Yemen including about 18,000 in Socotra Island were displaced due to this cyclone. No damage occurred over India due to this system.	
25	Extremely severe Cyclonic Storm "Megh"	5-10 November, 2015	T 5.0	95 Knots	Crossed Yemen coast at lat.13.4° N, 46.1°E. 18 deaths and dozens were injured in Yemen. More than 500 housed were completely destroyed and another 3000 were damaged. Hundreds of fishing boats were damaged and more than 3000 families were displaced in Yemen. No damage occurred over India due to this system.	

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
'II. Over the Bay of Bengal					
1	Bangladesh (Chittagong)	November 12-13, 1970	N/A	224 Kmph	30,00,000 people died
2	Balasure (Odisha)	October 26-31, 1971	N/A	185 Kmph	10,000 people died and 1 million people rendered homeless.
3	Andhra Cyclone	November 14-20, 1977	N/A	259 Kmph	8547 People died.
4	Sri Hanikota (A.P.)	November 9-14, 1984	T-6.0	213 Kmph	Strom surge height 5 m. 604 people died.
5	Indo-Bangladesh Border	November 24-30, 1988	T-6.0	213 Kmph	2000 people died. 6000 people missing in Bangladesh.
6	Kavali (A.P.)	November 1-9, 1989	T-6.5	235 Kmph	69 people died.
7	Machilipatnam (A.P.)	May 4-9, 1990	T-6.5	235 Kmph	967 people died.
8	Bangladesh (Chittagong)	April 25-30, 1991	T-6.5	235 Kmph	1,38,882 people died. 1,39,054 people injured.
9	Bangladesh (Teknaf)	April 24 - May 2, 1994	T-6.0	215 Kmph	184 people killed

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
10	Bangladesh (Teknaf)	May 15-19, 1997	T-6.0	230 Kmph As reported by Bangladesh Met. Office	155 people died. 9663 people injured.
11	Gopalpur Cyclone (Odisha)	October 15-19, 1999	T-5.0	170 Kmph	198 people died. 402 persons injured.
12	Super Cyclone (Odisha)	October 25-31, 1999	T-7.0	260 Kmph	9887 people died. 129.22 lakh people affected.
13	Very severe Cyclonic Storm over the bay of Bengal.	November 26-30, 2000	T- 5.5	102 Knots 189 kmph	Two states viz., Tamil Nadu and Puducherry were mainly affected by this storm. The loss was mainly due to crop damage. Uprooting of big trees and partial damages to more than one thousand kuchha houses. 30,000, Plantain trees and 50,000 Plantain saplings got destroyed and 30,000 trees were uprooted in Tamil Nadu state. In Puducherry two persons lost their lives. Damage to paddy crops, plantains, coconut plantation were the major losses in Puducherry.
14	Very severe Cyclonic Storm over the bay of Bengal	December 23-28, 2000	T- 5.0	90 Knots 167 Kmph	Three districts of Tamil Nadu state were affected by this storm in the Ramanathapuram district, 350 houses were damaged in Thirunelveli. Houses damaged - 318. In Tutocorin houses damaged-318, Fishing boats lost - 95, loss to crops - 281 hectares of paddy, 650 hectares of plantain and 80 hectares of betel destroyed.
15	Cyclonic Storm over Bay of Bengal	October 14-17, 2001	2.5	35 Knots 65 kmph	108 people dead, 21 people missing, damage to crops about 125000 Hectares and 55747 house damaged in Andhra Pradesh.

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
16	Severe Cyclonic Storm over Bay of Bengal	November 10-12, 2002	3.5	55 Knots 102 kmph	Two travelers damaged and 18 people died in Odisha and another two travelers missing. In West Bengal 2 people died.
17	Severe Cyclonic Storm over Bay of Bengal	December 11-16, 2003	3.5	55 Knots 102 kmph	81 people dead in Andhra Pradesh, 1637 Building destroyed completely, 7453 Building partially damaged 61898.5 hectares of Agricultural land damaged. Loss of property to the tune of ₹ 23903.13 Lakh. No of villages electric failure are 2000 and telecommunication disruption are in 41 villages.
18	Cyclonic Storm "PYARR" over Bay of Bengal	September 17-21, 2005	T-2.5	35 Knots 65 kmph	Damages reported in Andhra Pradesh are as follows Number of Human deaths -1, Number of livestock died - 291, Buildings partly / completely destroyed - 12041, (estimated cost ₹177.28 lakhs), Crop loss - 4,82,188 hectares (estimated cost ₹ 627.74 lakhs), Total loss estimated by Government - ₹5029.82 lakhs.
19	Cyclonic storm "BAAZ" over Bay of Bengal	November 28-December-02, 2005	T-3.0	45 Knots 83 Kmph	According to press reports, heavy rain caused floods in Nellore. Chittoor and Cuddapah districts of Andhra Pradesh. Number of deaths - 11 (Nellore7, Chittoor 3 Cuddapah 1), Number of tanks breached - 27 (Nellore district). Many villages were reported to be marooned in the above districts.
20	The Very Severe Cyclonic Storm "Mala" over the Bay of Bengal	May 25- 30, 2006	5.5	100 Knots 185 Kmph	It crossed the coast of Myanmar and hence there was no damage in India.
21	Cyclonic Storm "OGNI" over Bay of Bengal	October 29-30, 2006	2.5	35 Knots 65 Kmph	Andhra Pradesh Loss of life : 24 Livestock: 3,61,553 Loss of crops:1,99,986 acres Villages submerged : 900 Damage to houses (fully) : 26,853 Damage to houses (partly): 73,218 Total loss : ₹ 21,601 lakhs.
22	Cyclonic storm "AKASHI"	13 -15 May 2007	T- 6.0	115 knots	The system crossed Bangladesh coast and hence there was no damage in India

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
23	Very severe cyclonic storm "SIDR"	11 - 16 November 2007	T - 6.0	115 knots	The system crossed Bangladesh coast .However, one person died. 46 Villages and thousands of people were affected in west Bengal. Crops were damaged in thousands of hectares of land. There was disruption of electricity supply in the coastal belt of West Bengal due to breaking of dam over Bidyadhari river.Extensive areas were flooded near Gajikhalai and Kheaghat.Some houses were partially/totally damaged in Mizoram. Shillong road was also affected at several places.
24	Nargis	27th April to 3rd May 2008	T - 5.0	Estimated 90 kts/ 167 kmph (As per news paper 190 kmph)	As the system moved away form Indian coast there was no damage reported from India.
25	Rashmi	25th to 27th October 2008	T - 3.0	50 Knots 93 Kmph	Significant damage was reported over nirtheastern states. Numbers of human death wear 5 from Meghalaya and 8 from Arunachal Pradesh. The death was due to landslide caused by incessant rain along with strong wind.One person was washed away by surging water of the wahumkhrah river. Incessant rain and wind uprooted most of the electric posts in shillong. According to Assam electricity Board the uprooted trees sapped trees snapped the power supply lines causing damage to power transmission. Due to severe thunder squall and continuous heavy rain, vast areas of Tawang and Bomdila of west Arunachal Pradesh were lashed in the night hours of 27-28th Oct. causing disruption of road and other communications. Several road bridges were broken down and a number of dwelling houses have been devastated besides injury to many persons.

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
26	Khaimuk	13th to 16th November 2008	T - 2.5	40 Knots 74 Kmph	Major erosion of coast seen at Uppadancar Kakinada. In many areas in East & West Godavari and krishna districts, paddy fields got inundated. Twenty one country boats washed off in the sea off konapapeta in kothapalli mandal of East Godavari. A big ship was carried away by the waves along the Wakalapudi beach near lakimada of East Godavari district. Many boats and fishing nets were swept off in the areas adjoining Wakadu, Alluru, Mypad, Gangapatnam in Nellore district.
27	Nisha	25th to 27th November, 2008	T - 3.0	45 Knots 83 Kmph	As per the Tamil Nadu Govt. Revenue site, loss of life wear 78 over the state during 24th to 28th November, 2008. As per media reports 8 lakhs acres of paddy crops in Nagapattnam, Thanjavur and Tiruvarur (delta) districts and 55,250 hectares of paddy in cuddalore district were submerged due to heavy rain. Andhra Pradesh: Chittur, Nellore and Prakasam districts of south coastal Andhra Pradesh were affected by heavy rain/strong, 3.63 lakh hectares of crop were damaged. The heavy rain led to floods in south coastal Andhra Pradesh districts.
28	Cyclonic Storm BIJLI (Bay of Bengal)	14-17 April 2009	2.5	40 Knots 74 Kmph	No damage over India.
29	Severe Cyclonic Storm AILA (Bay of Bengal)	23-26 May 2009	3.5	60 Knots 112 Kmph	According to West Bengal state Government, number of people affected by storm was about 2.2 million. More than 61,000 houses were collapsed and more than 1,32,000 houses were partially damaged. About 100 people died in the state. In Odisha Numerous trees were uprooted and power lines were down. High waves produced by the storm inundated coastal villages, Forcing residents to evacuate to safer places. However there was no report of human death in the state. An estimated 1,000 acres of cropland were affected. In Meghalaya several houses were damaged, power supply was disrupted and many areas were flooded.

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
30	Cyclonic Storm "Laila" over Bay of Bengal	17 - 21 May, 2010	3.5	55 knots	
31	Cyclonic Storm "Giri" over Bay of Bengal	20 - 23 October, 2010	5.5	105 knots	
32	Cyclonic Storm "Jal" over Bay of Bengal	04 - 07 November, 2010	3.5	60 knots	
33	Very Severe Cyclonic Storm "THANE"	25 th - 31 st December, 2011	T 4.5	75 kts (139 kmph)	46 persons died in Tamil Nadu and Puducherry. 793 trees, electric posts were uprooted. Around 6000 persons in these areas were shifted to shelters. In Puducherry the storm has caused considerable loss to the Tourism Industry. About 73292 thatched houses were fully damaged and 94633 houses were partially damaged by wind and rain.
34	Cyclone Storm MURJAN	23rd - 26th Oct-12	T2.5	40 Knots (75 kmph)	Paddy crop in 58,200 hectares; sugarcane in 5,752; groundnut in 1,402; black gram in 945; coconut in 490 hectares were damaged in the entire cyclone affected areas. In horticultural sector, cashew in 23,500 hectares; banana plantation in 2,860; jackfruit in 340; vegetables in 320; Mango trees in 317; Guava in 270; flowers in 250; betel nuts in 128; tuber in 73; amla in 12 hectares were damaged. In Cuddalore district alone 4500 electric poles, 4500 transformer, 27 electric towers were damaged. Electric wire in 10,500 Km length was damaged. The damages are worked out to be ₹ 1300 to 1500 crores.
35	Cyclonic Storm 'Viyaru'	10-16 May 2013	T-3.0	45 Knots (83 kmph)	No damage over India Basin (Name of the coast of landfall)

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
36	Very Severe	08-14 Oct. 2013	T-6.0	115 knot (213 kmph)	Crossed Andaman & Nicobar near Maya Bandar between 0700-0800 UTC of 9 October as DD and later the VSCS crossed Odisha & adjoining north Andhra Pradesh coast near Gopalpur around 1700 UTC near 19.2°N and 84.9°E.
	Cyclonic Storm (VSCS) 'PHAILIN' over the Bay of Bengal				
37	Bengal	28th October to 1st November 2013	T 3.0	45 Knots (85 kmph)	No damage over India
	NILAM				
38	Severe Cyclonic Storm 'Helen' over Bay of Bengal	19-23 Nov 2013	T-3.5	55 knot (102 kmph)	Crossed Andhra Pradesh coast close to south of Machilipatnam near 16.10N/81.20E between 0800-0900UTC
39	Very Severe Cyclonic Storm VSCS 'Lehar'	23-28 Nov. 2013	T-4.0	75 knot (139 kmph)	Crossed Andaman & Nicobar Island, south of Port Blair at around 0100 UTC of 25 November and later Andhra Pradesh close to north of Machilipatnam near 15.90N/81.10 E. 0830 UTC of 27 Nov., 2013 as a depression around
40	Very Severe Cyclonic Storm VSCS 'Madi'	06-13 Dec. 2013	T-4.0	65 knot (120 kmph)	Crossed Tamil Nadu coast near Vedaranyam around 1330 UTC and emerged into Palk Strait and again crossed Tamil Nadu coast near Tondi around 1700 UTC of 12 Dec. 2013
41	Very severe Cyclonic Storm 'HUDHUD'	7 th October to 14th October, 2014	T 5.0	100 knot (185 kmph)	The System crossed Andhra Pradesh coast over Visakhapatnam and moved across south coast of Odisha. Maximum damage was reported over Andhra Pradesh followed by Odisha.

(Contd.)

S. No.	Name of Cyclone	Date and Year	Intensity (T-Number)	Observed/ Estimated Max. Wind	Damage
(1)	(2)	(3)	(4)	(5)	(6)
42	Cyclone Storm "Komen"	26th July to 2nd August, 2015	T 2.5	40 Knots	Crossed Bangladesh Coast between Haia & Sandwip near lat.22.50N long 91.40E during 1400 to 1500 UTC of 30th July 2015. 83 people died and 88,900 houses were damaged partially in Bangladesh. Two persons died and 2 got injured in Myanmar. 86 houses and 4 primary schools were damaged in Myanmar.
43	Cyclonic Storm "ROANU"	17th May to 22th May 2016	T 3.0	45 Knots	No damage occurred over India due to this system. Crossed Bangladesh coast near latitude 22.6°N and longitude 91.6°E. It was responsible for 101 deaths and displacing over 1,34,000 people in Sri Lanka. Overall 1,10,684 families were partially and 29,168 fully affected by CS Roanu. 24 people lost their lives and 2 were reported missing.
44	Cyclonic Storm "KYANT"	21st October to 28 October 2016	T 2.5	40 Knots	Weakened over westcentral BoB off Andhra Pradesh coast. As cyclone Kyant weakened over sea, no damage was reported due to this system.
45	Cyclonic Storm "NADA"	29th November to 02 December 2016	T 2.5	40 Knots	Crossed north Tamil Nadu coast near Nagapattinam. No damage was reported as Nada weakened and crossed coast as a depression.
46	Cyclonic Storm "VARDHAH"	06th December to 13th December 2016	T 4.0	70 Knots	Crossed north Tamil Nadu coast near Chennai. As per media report, Cyclone Vardah wreaked havoc in the remote islands of Andaman like Diglipur, Rangat and Billyground that witnessed a flood-like situation due to torrential rains. 24 deaths related to the cyclone have been reported in the state of Tamil Nadu. Severe Crop damages occurred in Tiruvallur, Kanchipuram, Vellore and Tiruvannamalai districts of north Tamil Nadu. There was damage to paddy, groundnut, blackgram, greengram and coconut causing a loss of nearly 33 % in these districts in an area of 34206.13 Hectare. The estimated loss of Agriculture produce valued Rs. 35571 Crore.

Source:- India Meteorological Department, New Delhi

21

Conversion Factors between Important
Primary and Secondary Agricultural
Commodities

Table 21 : Conversion Factors between Important Primary and Secondary Agricultural Commodities

Commodity	Conversion Factor
(1)	(2)
Rice (Cleaned) Production	2/3 of Paddy Production
Cotton	
Cotton Lint Production	1/3 of Kapas Production
Cotton Seed Production	2/3 of Kapas Production
	2 Times of Cotton Lint Production
Jute	
100 Yards of Hessian	54 lbs. of Raw Jute
4148 Yards of Hessian	1 Ton of Raw Jute
	5.55 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Sacking	1.11 Tons of Raw Jute
	6.17 Bales of Raw Jute (of 180 Kgs. Each)
1 Ton of Hessian	1.05 Tons of Raw Jute
Sacking etc.	5.85 Bales of Raw Jute (of 180 Kgs. Each)
Groundnut	
Kernel to Nuts in Shell	70 Percent
Oil to Nuts in Shell	28 Percent
Oil to Kernels Crushed	40 Percent
Cake to Kernels Crushed	60 Percent
Sesamum	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Rapseed and Mustard	
Oil to Seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Linseed	
Oil to seeds Crushed	33 Percent
Cake to Seeds Crushed	67 Percent
Castorseed	
Oil to Seeds Crushed	37 Percent
Cake to Seeds Crushed	63 Percent
Cotton Seed	
Oil to Seeds Crushed	14 to 18 Percent
Cake to Seeds Crushed	82 to 86 Percent
Coconut	
Copra to Nuts	One Ton of Copra = 6773 Nuts
Oil to Copra Crushed	62 Percent
Cake to Copra Crushed	38 Percent

(Contd.)

Commodity	Conversion Factor
(1)	(2)
Nigerseed	
Oil to Seeds Crushed	28 Percent
Cake to Seeds Crushed	72 Percent
Kardi Seed	
Oil to Seeds Crushed	40 Percent
Cake to Seeds Crushed	60 Percent
Mahua Seed	
Oil to Seeds Crushed	36 Percent
Cake to Seeds Crushed	64 Percent
Neem Seed	
Oil to Kernels Crushed	45 to 50 Percent
Cake to Kernels Crushed	50 to 55 Percent
Soyabean Seed	
Oil to Soyabean Seed Crushed	18 Percent
Meal to Soyabean Seed Crushed	73 Percent
Hull from Soyabean Seed Crushed	8 Percent
Wastage from Soyabean Seed Crushed	1 Percent
Sugar	
Gur from Cane Crushed	11.20 Percent to 11.50 Percent
Crystal Sugar from Gur Refined (Gur Refineries)	62.5 Percent
Crystal Sugar from Cane Crushed (Cane Factories)	10.20 Percent
Khandasari Sugar (Sulphur and Non-sulphur)	46 Percent
from standard Gur Refined	
Molasses from Cane Crushed	4.0 Percent to 4.5 Percent
Cane - Trash* from Cane Harvested	8.0 Percent to 12.0 Percent
Lac	
Seed Lac	66.0 Percent of Stick Lac
Shell Lac	57.4 Percent of Stick Lac
Cashewnut	
Cashew Kernel	25 Percent of Cashewnuts

* This consists of leaves and portion of the top of stalk which are removed from the canestalk, while harvesting and before sending the cane for milling.

22: List of Studies Conducted by Agro-Economic Research Centers

2011-12

1	Capacity Building for Improving Trade Competitiveness and Price Realization of Indian Agriculture.	CMA, Ahmedabad
2	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of Karnataka	ADRT, Bangalore
3	Impact Study of the National Horticulture Mission (NHM) Scheme in Karnataka	ADRT, Bangalore
4	State Budgetary Resources and Agriculture Development (Consolidated Report).	ADRT, Bangalore
5	Impact of Macro Management of Agriculture Scheme. (Consolidated Report)	ADRT, Bangalore
6	Role of Climate Change & Agricultural Performance. Proposed by- IEG, Delhi	IEG, Delhi
7	Possibilities and Constraints increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	IEG, Delhi
8	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	IEG, Delhi
9	Market Access and Constraints in Marketing of Goats and Their Products (Consolidated)	Allahabad
10	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in U.P.	Allahabad
11	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities.	Allahabad
12	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, at Kerala .	Chennai
13	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Haryana.	Delhi
14	Impact Study of the National Horticulture Mission (NHM) Scheme.	Delhi
15	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration,	Delhi
16	Economics of fodder cultivation & its processing and marketing.	Jabalpur
17	Potential & prospects of Rabi cultivation in Assam.	Jorhat
18	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in Assam.	Jorhat
19	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Assam,	Jorhat
20	Economics of fodder cultivation & its processing and marketing in Punjab.	Ludhiana

(Contd.)

21	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration of in Punjab.	Ludhiana
22	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration, with all India coverage in Rajasthan and Gujarat	Vallabh Vidyanagar
23	Impact Study of the National Horticulture Mission (NHM) Scheme in Rajasthan	Vallabh Vidyanagar
24	Mid-Term Evaluation Studies of National Watershed Development for Rain fed Areas during Tenth Plan	Vallabh Vidyanagar
25	Study report on Evaluation Studies of National Watershed Development for Rainfed Areas during Tenth Plan.	Vallabh Vidyanagar
26	Economics of production processing and marketing of fodder crops in Gujarat.	Vallabh Vidyanagar
27	Impact and Constraints Evaluation of Organic Farming at Household Level.	Visva Bharati
28	Impact Study of the National Horticulture Mission (NHM) Scheme in West Bengal.	Visva Bharati
29	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Commodities in West Bengal.	Visva Bharati
30	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in West Bengal.	Visva Bharati
31	Possibilities and Constraints for increasing the Production of Pulses in India and Impact of National Food Security Mission on Pulses in Andhra Pradesh.	Waltair
32	The Impact of Macro Management of Agriculture Scheme in Andhra Pradesh	Waltair
2012-13		
1	Economics of fodder cultivation & its processing and marketing in Karnataka	ADRT, Bangalore
2	Hulling and Milling Ratio in major Paddy growing states-Karnataka	ADRT, Bangalore
3	Market Integration of Major Agricultural Markets in Karnataka	ADRT, Bangalore
4	Hulling and Milling Ratio in major Paddy growing states-All India (Consolidated)	ADRT, Bangalore
5	Impact of NREGA on age Rates, Food Security and Rural Urban Migration with All-India Coverage'(Consolidated)	ADRT, Bangalore
6	Prospects of Crop Diversification in the States of Punjab & Haryana - (Suggested by CACP).	IEG, Delhi
7	Producers companies in India: Ownership, management structure, performances and impact on small producers.	IEG, Delhi
8	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in U.P.	Allahabad
9	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Allahabad

10	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Uttar Pradesh.	Allahabad
11	Problems and Prospects of Katarni Paddy Production in Bihar.	Bhagalpur
12	Impact Study of the National Horticulture Mission (NHM) Scheme in Bihar	Bhagalpur
13	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI)Program	Bhagalpur
14	Impact Study of the National Horticulture Mission (NHM) Scheme in Tamil Nadu	Chennai
15	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer in Haryana	IEG, Delhi
16	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jabalpur
17	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses	Jabalpur
18	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Madhya Pradesh and Chhattisgarh	Jabalpur
19	Impact study of soil testing analysis in the states of Madhya Pradesh	Jabalpur
20	(1) Hulling and Milling Ratio in major Paddy Madhya Pradesh. (2) Hulling and Milling Ratio for Paddy in Chhattisgarh	Jabalpur
21	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Madhya Pradesh	Jabalpur
22	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Jorhat
23	Possibilities and Constraints in increasing the production of pulses in India; and the Impact of National Food Security Mission on Pulses.	Ludhiana
24	Hulling and Milling Ratio for Paddy in Punjab	Ludhiana
25	Impact of emerging marketing channels in Agricultural Marketing – Benefit to producer – seller & Marketing Costs and Margins of Agricultural Potato and Kinnow in Punjab	Ludhiana
26	Economics of fodder cultivation & its processing and marketing (Consolidated)	Ludhiana
27	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Punjab	Ludhiana
28	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Ludhiana	Ludhiana
29	Marketed surplus of food grains and post harvest losses in West Bengal.	Visva Bharati
30	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI)Program	Visva Bharati
31	Baseline Data on Area, Production and Production and Productivity of Horticulture Crops in Sikkim-Shantiniketan	Visva Bharati
32	Problem and Prospects of Oilseeds in West Bengal -Shantiniketan	Visva Bharati
33	Effect of Farm Mechanization on Agricultural Growth and Comparative Economics of Labour and Machinery	Visva Bharati
34	Spread of new Varieties of Hybrid Rice and their Impact on the Overall Production and Productivity in West Bengal.	Visva Bharati

(Contd.)

35	Impact of NREGA on wage rates, cost of production, food Security and Rural Urban Migration in Andhra Pradesh	Vishakhapatnam
36	Impact Study of the National Horticulture Mission (NHM) Scheme in Andhra Pradesh	Vishakhapatnam
37	End-term Evaluation Study/Appraisal in respect of the Implementation of the Bringing Green Revolution to Eastern India (BGREI) Program	Vishakhapatnam
2013-14		
1	Estimation of pre and post harvest losses of Rice and Redgram in Karnataka.	ADRT, Bangalore
2	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Karnataka.	ADRT, Bangalore
3	Consolidated Impact Study of the National Horticulture Mission (NHM) Scheme.	ADRT, Bangalore
4	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses for Gujarat.	CMA,IIMA
5	Assessment of Pre and Post Harvest Losses in Wheat and Paddy Crops in Uttar Pradesh.	Allahabad
6	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Uttar Pradesh.	Allahabad
7	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Uttar Pradesh.	Allahabad
8	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Bihar.	Bhagalpur
9	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in Bihar.	Bhagalpur
10	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in Haryana.	Delhi
11	Evaluation of Price Support Scheme of Sunflower in Haryana.	Delhi
12	Evaluation of Market Intervention Scheme (Apple 'C' Grade) in Uttarakhand	Delhi
13	Baseline data on area, Production and productivity of Horticulture crops in North East and Himalayan states in Uttarakhand.	Delhi
14	Estimation of pre and post harvest losses among selected crops in Madhya Pradesh.	Jabalpur
15	Assessment of marketable and marketed surplus of Wheat, Gram & Tur in Madhya Pradesh	Jabalpur
16	Baseline Data on Area, Production and Productivity of Horticultural Crops in Assam.	Jorhat
17	Evaluation of Market Intervention Scheme(MIS) and PSS in Mizoram	Jorhat
18	Estimation of pre and post harvest losses among selected crops in Assam	Jorhat
19	Assessment of Pre and Harvest Losses in Tur and Soyabean Crops in Maharashtra.	Pune
20	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Maharashtra.	Pune
21	Problems and prospects of Soyabean cultivation in Maharashtra Problems and prospects of Soyabean cultivation in Maharashtra .	Pune

22	Evaluation of Market Intervention Scheme in Himachal Pradesh.	Shimla
23	Baseline data on area, production and productivity of horticulture crops in Himachal Pradesh.	Shimla
24	Problems and Prospects of Prospects of Production of Oilseeds: Special Reference to Groundnut in Gujarat.	Vallabh Vidyanagar
25	Problems and Prospects of Prospects of Production of Oilseeds in Rajasthan.	Vallabh Vidyanagar
26	Assessment of Crop-wise Marketable and marketed surplus of food grains and post harvest losses in Rajasthan.	Vallabh Vidyanagar
27	Estimation of pre and post harvest losses among selected crops in Gujarat.	Vallabh Vidyanagar
28	Estimation of pre and post harvest losses among selected crops in Rajasthan	Vallabh Vidyanagar
29	Evaluation of Market Intervention Scheme (MIS) and PSS in Rajasthan.	Vallabh Vidyanagar
30	Estimation of pre and post harvest losses among selected crops in West Bengal	Visva Bharati
31	Spread of new varieties of hybrid rice and their impact on the overall production and productivity in West Bengal.	Visva Bharati
32	Consolidated Spread of new varieties of hybrid Rice and their impact on the overall production and productivity.	Visva Bharati

2014-15

1	Baseline data on area, Production and productivity of Horticulture crops in North East and Himalayan states (Consolidated report).	ADRTC, Bangalore
2	Problem and Prospect of Sunflower production in Karnataka.	ADRTC, Bangalore
3	Estimation of pre and post harvest losses among selected crops in India (Consolidated report)	ADRTC, Bangalore
4	Rural Diversification in India – the Aspect of Food Security	IEG, Delhi
5	Prosperity of crop diversification in Punjab and Haryana.	IEG, Delhi
6	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Agriculture (Consolidated report).	IEG, Delhi
7	Assessment of the extent of Food Processing in various food sub-sectors	IEG, Delhi
8	Review of Evidence on Farmers Income from secondary sources.	IEG, Delhi
9	Micro irrigation systems: barriers spread and resources conservation.	CMA, Ahmedabad
10	Problem and Prospect of oilseeds production in India	CMA, Ahmedabad
11	Biotechnology in Agriculture, Examining the promise, performances, concerns & Economics	CMA, Ahmedabad
12	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses (Consolidated)	CMA, Ahmedabad
13	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Wheat in Uttar Pradesh.	Allahabad
14	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Uttar Pradesh.	Allahabad
15	Estimation of pre and post harvest losses of Paddy in Tamil Nadu	Chennai
16	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Tamil Nadu.	Chennai

(Contd.)

17	Possibilities and Constraints in adoption of alternative crops to paddy in Haryana.	Delhi
18	Problems & Prospects of Oilseeds production in Madhya Pradesh.	Jabalpur
19	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Madhya Pradesh.	Jabalpur
20	Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Soyabean in Madhya Pradesh.	Jabalpur
21	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Basmati rice in Punjab.	Ludhiana
22	Adoption of recommended doses of fertilizer on soil test basis by farmers for Wheat and Rice in Punjab.	Ludhiana
23	Impact of diesel/power subsidy withdrawal on production cost of important crops in Punjab.	Ludhiana
24	Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Punjab.	Ludhiana
25	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for Wheat in Gujarat.	V.V Nagar
26	Adoption of recommended doses of fertilizer on soil test basis by farmers for Cotton and Groundnut in Gujarat.	V.V Nagar
27	Spread of new varieties of hybrid rice and their impact on the overall production and productivity for Andhra Pradesh	Visakhapatnam
28	Impact of MGNREGA on Wage Rates, Food Security and Rural Urban Migration in Odisha.	Visakhapatnam
29	Problems and prospects of oilseeds and oil palm cultivation, potential of bringing it in cost effective manner in Andhra Pradesh	Visakhapatnam
30	Evaluation of Market Intervention Scheme (MIS) in Andhra Pradesh	Visakhapatnam
2015-16		
1	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Karnataka	ADRTC, Bangalore
2	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Maize in Karnataka.	ADRTC, Bangalore
3	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion and Grapes for Karnataka.	ADRTC, Bangalore
4	The Extent of Wastage in Azadpur Mandi- A Case Study	IEG, Delhi
5	Irrigation and Entrepreneurship: Status and Lessons for improvements and Expansion – covering four states.	CMA, Ahmedabad
6	Enhancing Rice Productivity and Food Security: A Study of the Adoption of the System of Rice Intensification (SRI) in selected States of India	CMA, Ahmedabad
7	Agro-input Marketing Models in India: Performance and potential	CMA, Ahmedabad
8	Possibilities and Constraints in Adoption of Alternative Crops to Paddy to Paddy in Uttar Pradesh.	Allahabad
9	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income for rice in Bihar.	Bhagalpur

10	Adoption of recommended doses of fertilizer on soil test basis by farmers in Bihar.	Bhagalpur
11	Supply Chain of Litchi Marketing / Processing for Bihar.	Bhagalpur
12	Impact of National Horticulture Mission (NHM) in Kerala	Chennai
13	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Tamil Nadu.	Chennai
14	Adoption of recommended doses of fertilizer on soil test basis by farmers for Rice and Groundnut in Tamil Nadu	Chennai
15	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Basmati rice in Haryana.	Delhi
16	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in Assam	Jorhat
17	Impact of Credit on Agricultural Production with Special Reference to Crop Loan and KCC Scheme- An Empirical Study in Assam.	Jorhat
18	Possibilities and Constraints in Adoption of Alternative Crops to Paddy in Green Revolution Belt of North India.(Consolidated)	Ludhiana
19	Impact assessment and evaluation of Central Sector Schemes like Central Sheep Breeding Farm, Hisar, Central Poultry Development Organizations	Pune
20	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion in Maharashtra.	Pune
21	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income, for Wheat in Himachal Pradesh.	Shimla
22	Marketing of Milk & Milk Products.	Shimla
23	Relationship between wholesale prices, retail prices, export prices (FOB), prices realized by farmers and details of contributing factors for the price difference for Onion in Gujarat.	V.V. Nagar
24	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Gujarat.	V.V. Nagar
25	Adoption of recommended doses of fertilizer on soil test basis by farmers in West Bengal.	Visva Bharati
26	Impact of National Food Security Mission (NFSM) on Input use, Production, Productivity and Income in West Bengal.	Visva Bharati
27	Estimation of pre and post harvest losses in paddy and red gram crops - Andhra Pradesh.	Vishakhapatnam
2016-17 (as on 31-03-2017)		
1	Documentation of Success Stories of Food Processing Units in Karnataka.	ADRTC, Bangalore
2	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Karnataka.	ADRTC, Bangalore
3	Farmers Suicides: Causes and Policy Prescriptions in Karnataka.	ADRTC, Bangalore
4	Sustainability of Self-help and Joint-liability Group Institutions under Micro-finance.	CMA, Ahmedabad

(Contd.)

5	Demand, Supply and Consumption of milk and milk products during the 11 th Five year Plan and projections for 12 th Five year Plan and its cost effective procurement at farm gate (Consolidated)	IEG, Delhi
6	Pilot Project to Ascertain the use of Diesel for Irrigation.	IEG, Delhi
7	Evaluation of Market Intervention Scheme (MIS) and PSS (Consolidated)	IEG, Delhi
8	Estimation of losses to the pulses by blue-bulls in Uttar Pradesh.	Allahabad
9	Farmers Suicides: Causes and Policy Prescriptions in Uttar Pradesh.	Allahabad
10	Impact study on agricultural extension services to farmers by Agri-Clinics & Agri-Business Centres (ACABC) Scheme in Allahabad.	Allahabad
11	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Bihar	Bhagalpur
12	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Tamil Nadu.	Chennai
13	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in Kerala.	Chennai
14	Impact of Emerging Marketing Channels in Agriculture: Benefit to Producer Seller and Marketing Costs and Margins of Banana and Potato Crops in Tamil Nadu	Chennai
15	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in India (Consolidated)	Chennai
16	Farmers Suicides: Causes and Policy Prescriptions in Tamil Nadu	Chennai
17	Farmers Suicides: Causes and Policy Prescriptions in Kerala	Chennai
18	Farmers Suicides: Causes and Policy Prescriptions in Haryana.	Delhi
19	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Utrtrakhand.	Delhi
20	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Madhya Pradesh	Jabalpur
21	Farmers Suicides: Causes and Policy Prescriptions in Madhya Pradesh.	Jabalpur
22	Farmers Suicides: Causes and Policy Prescriptions in Chattisgarh.	Jabalpur
23	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Assam.	Jorhat
24	Impact of SHC on Production, Productivity and Soil Health in Assam.	Jorhat
25	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Punjab.	Ludhiana
26	Farmers Suicides: Causes and Policy Prescriptions in Punjab.	Ludhiana
27	Farmers Suicides: Causes and Policy Prescriptions in Maharashtra	Pune
28	Assessment of the Impact of Neem Coated Urea on Production, Productivity and Soil Health in Maharashtra	Pune
29	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Himachal Pradesh.	Shimla
30	Economic Analysis of Cost & Return of off season vegetables with focus on green house effect in Jammu and Kashmir.	Shimla
31	Farmers Suicides: Causes and Policy Prescriptions in Gujarat.	V.V. Nagar

32	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Gujarat.	V.V. Nagar
33	Assessment of the status of dairying in the eastern states and potential to improve socio economic status of the milk producers and convergence of all central and state schemes at District Level in Rajasthan.	V.V. Nagar
34	Working and Impact of Pressurised Irrigation Network System (PINS) in Rajasthan.	V.V. Nagar
35	Working and Impact of Pressurised Irrigation Network System (PINS) in Gujarat.	V.V. Nagar,
36	Evaluation and Assessment of economic losses on account of inadequate Post Harvest Infrastructure Facilities for Fisheries Sector in West Bengal.	Visva Bharati
37	Farmers Suicides: Causes and Policy Prescriptions in West Bengal.	Visva Bharati
38	A study on Productivity and Profitability in Agriculture and Horticulture in Eastern Himalayan Region.	Visva Bharati
39	A study on indigenous rice varieties in Sundarban delta and their role in ensuring local food security in the face of climate threats.	Visva Bharati
40	Evaluation and impact of mechanization on agri. Growth, comparative economics of labour and machinery in Agriculture in Odisha.	Vishakhapatnam
41	Farmers Suicides: Causes and Policy Prescriptions in Andhra Pradesh.	Vishakhapatnam
42	Farmers Suicides: Causes and Policy Prescriptions in Telengana	Vishakhapatnam
43	Assessment of crop-wise marketable and marketed surplus of food grains and post harvest losses in A.P.	Vishakhapatnam

The abovementioned Studies can be accessed/ downloaded
through the following links:

S. No.	AERC/ AERU	Hyperlink
(1)	(2)	(3)
1	Institute of Economic Growth, University Enclave, Delhi	http://iegindia.org/AERU-Studies
2	IIM-Ahmedabad	http://iimahd.ernet.in/faculty-and-research/research-centers/cma/reports
3	Institute of Social and Economic Change, Bengaluru	http://www.isec.ac.in/adrtc-projects.htm#projects-completed
4	AERC, University of Allahabad	http://www.allduniv.ac.in/index.php?option=com_k2&view=itemlist&layout=category&task=category&id=291&Itemid=1857
5	AERC, Tilka Manjhi, Bhagalpur University	http://www.aercbhagalpur.org/
6	AERC, University of Madras	http://www.unom.ac.in/index.php?route=academic/aerc
7	AERC, University of Delhi	http://www.du.ac.in/du/index.php?page=agricultural-economics-research-centre
8	AERC, Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur	http://aerc.jnkvv.org/aerc/AERC_Home.aspx
9	AERC, Assam Agriculture University, Jorhat	http://14.139.222.145/classified/agro_econ_2012_3.html
10	AERC, Ludhiana	http://www.aercpau.com/
11	AERC, Pune	http://gipe.ac.in/AERC/
12	AERC, Himachal Pradesh University, Shimla	http://aercshimla.in/
13	AERC, S.P. University, Vallabh Vidyanagar	http://spuvvn.edu/academics/academic_centres/agro-economic_centre/research_studies/
14	AERC, Waltair, Andhra Pradesh	http://www.andhrauniversity.edu.in/arts/agroeconomic/research.html
15	AERC, Visva-Bharati, Santiniketan	http://www.visva-bharati.ac.in/InstitutionsCentresSchools/Contents/AERC-DETAIL/AERC-REPORTS.htm

Appendices

Appendix-I

Explanatory Note

Advance Estimates

The estimates of area, production and yield rates for 2016-17 are “Advance Estimates” as on 16-08-2017 and are based on deliberations held in weekly inter-disciplinary meetings of Crop Weather Watch Group, availability of water in important reservoirs in the country, availability/supply of important inputs including credit to farmers community, feedback received from states etc. These estimates are “advance” in the sense that these have been prepared in advance of availability of results of CCE (Crop Cutting Experiments) and are subject to revision as more precise information flows from states to DES.

Yield

Yield rate is defined as production per unit of area. However, yield rates of various crops given in this publication may not exactly tally with the ratio of production to the corresponding area because figures of area and production of various crops have been generally rounded off in ten thousands.

Principal Crops

Principal Crops as referred to in this publication include only those crops which are covered for preparation of index numbers. The details of these crops are given in Appendix II.

Estimation Procedure for Non-Availability of Data for 2016-17

The index numbers of area, production and yield rate for 2016-17 (from where growth rates have been derived) are based on advance estimates of principal crops as on 16-08-2017. However, there are a number of ‘non-forecast’ crops such as plantation crops and spices for which no advance estimates for 2016-17 (or for that matter any year) are prepared. In such cases, the estimates of area and production for the previous years are repeated for the purpose of index numbers.

Nine Oilseeds

Wherever “Nine oilseeds” is mentioned in this publication, it includes Castor seed, Groundnut, Linseed, Nigerseed, Safflower, Sesamum, Soyabean, Sunflower and Rapeseed & Mustard.

Total Oilseeds

Total oilseeds include cottonseed and coconut besides nine oilseeds mentioned in the above paragraph.

Net Availability of Foodgrains

The Net availability of foodgrains is defined as, where

$$\text{NAF} = \text{GP} - \text{SFW} - e + i + s$$

NAF = Net availability of Foodgrains

GP = Gross Production of Foodgrains

SFW = Seed, feed and wastages of Foodgrains

e = Exports of Foodgrains

i = Imports of Foodgrains

s = Change in Stocks of Foodgrains

To work out per capita net availability of foodgrains in terms of kg. per year, NAF is divided by the estimated population for a particular year. When this is further divided by the number of days in a year i.e. 365 days, it gives net availability of foodgrains per day.

Appendix-II

Methodology of Index Numbers of Area, Production and Yield

Base Year

The Directorate of Economics and Statistics (DES) had adopted Triennium Ending (T.E.) 1981-82 as base year for the purpose of Index Numbers of Area, Production and Yield in Agriculture until 1999-2000. In 2000-2001, it was decided to adopt T.E. 1993-94 as a way of updating the base to a recent year and keep it in harmony with the other series of indices such as Index of Industrial Production, Wholesale Price Index and the series of National Accounts Statistics. Since area and production in agriculture can fluctuate a great deal from year to year, the average of area/ production over the TE 1993-94 was taken as the base year.

It was observed that the base year 1993-94 currently in use for construction of index numbers of Area, Production and Yield of crops has become outdated and stressed on the need for updating of the base year at regular intervals preferably in consonance with the base year revisions of other important indices.

As the period 2005-06 to 2007-08 remained normal from agriculture point of view and the price data available with CSO was for the year 2006-07 which could be used as mid period price for assessment of contribution in value terms for preparation of weighting diagram, it has been considered appropriate to take more recent base, i.e., (TE 2007-08 = 100) as the base for agricultural indices.

Weighting Diagram

The weight of a commodity for the production index is taken as the average production of the commodity in the TE 2007-08 and the national average price of the commodity during 2006-07 as obtained from the National Accounts Statistics. This has been done to fix the base production at its average level by eliminating the cyclical variation and to evaluate the production with the same price for all states in view of wide variations observed in the state prices.

Methodology

- Let
- a_{ij} - the area under i^{th} crop in the j^{th} year.
 - a_{io} - the area under i^{th} crop in base year period.
 - p_{ij} - production of i^{th} crop in the j^{th} year.
 - p_{io} - production of i^{th} crop in base year period.
 - w_i - weight of i^{th} crop.

For the the year j , individual crop indices are calculated as below :

$$(a) \text{ Index number of area} = \frac{a_{ij}}{a_{io}} \times 100 = IA_{ij}$$

$$\text{Index number of production} = \frac{P_{ij}}{P_{io}} \times 100 = IP_{ij}$$

$$(c) \text{ Index number of yield} = \frac{IP_{ij}}{IA_{ij}} \times 100$$

For any sub-group G of commodities, the indices for the year j are calculated as below:

$$a) \text{ Index number of area} = \frac{\sum_{i \in G} w_i IA_{ij}}{\sum_{i \in G} w_i}$$

$$b) \text{ Index number of production} = \frac{\sum_{i \in G} w_i IP_{ij}}{\sum_{i \in G} w_i}$$

$$c) \text{ Index number of yield} = \frac{\text{Index number of production} \times 100}{\text{Index number of area}}$$

Appendix-III

Glossary of English, Botanical and Hindi Names of Important Crops

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
Cereals	Bara(Bulrush or spiked millet)	Pennisetum Typhoides	Bajra
	Barley	Hordeum vulgare	Jau
	Barnyard millet	Echinochloa frumentacea	Kutki
	Cholam(Great Millet)	Sorghum bicolor	Jowar
	Common Millet	Panicum milliaceum	Cheena
	Little Millet	Penicum milliare	Sawan
	Italian foxtail Millet	Setarisiaitalica	Kangani
	Kodo Millet	Paspalum scrobiculatum	Koden
	Maize or Indian corn	Zea mays	Makka
	Oat	Avena sativa	Jaie
	Ragi	Eleusine coracana	Mundua
	Paddy (Rice)	Oryza sativa	Dhan (Chawal)
Wheat	Triticum acstivum	Gehun	
Pulses and Beans	Black gram	Vignamungo	Urad
	Chickpea (Bengal gram)	Cicer arietinum	Chana
	Chicking vetch	Lathyrus sativus	Khesari
	Cluster Bean	Cyamopiss tetragonoloba	Guar
	Cowpea	Vigna unguiculate	Lobia
	Green Gram	Vigna radiata	Mung
	Horsegram	Dilichos biflorus	Kulthi
	Kidney bean	Vigna aconitifolia	Moth
	Lentil	Lens culimaris	Masur
	Peas	Pisum sativum vararvense	Matar
	Red gram (Pigion pea)	Cajanus cajan	Tur,Arhar
	Soyabean	Glucine max	Soyabean
Sugar	Sugarcane	Saccharum Officinarum	Ganna

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
Fruits	Apple	<i>Malus sylvestris</i>	Seb
	Apricot	<i>Prunus armeniaca</i>	Khoobani
	Cashewnut	<i>Anacardium occidentale</i>	Kaju
	Fig	<i>Ficus carica</i>	Anjeer
	Grape	<i>Vitis vinifera</i>	Angur
	Guvava	<i>Psidium guajava</i>	Amrood
	Jackfruit	<i>Artocarpus heterophyllus</i>	Katahal
	Lemon	<i>Citrus Lemon</i>	Nimbu
	Lime	<i>Citrus Urantifolia</i>	Bara Nimbu
	Litchi	<i>Litchi chinensis</i>	Litchi
	Mango	<i>Mangifera indica</i>	Aam
	Orange Mandar	<i>Citrus reticulata</i>	Santara, Narangi
	Papaya	<i>Carica papaya</i>	Papeeta
	Pear	<i>Pyrus communis</i>	Naspati
	Pineapple	<i>Ananas comosus</i>	Ananas
	Banana	<i>Musa paradisiaca</i>	Kela
	Pomegranate	<i>Punica granatum</i>	Anaar
	Sweet Orange	<i>Citrus sincensis</i>	Malta, Mosambi
	Vegetables	Ash gourd	<i>Benincasa hispida</i>
Beet		<i>Beta vulgaris</i>	Chukandar
Bitter gourd		<i>Momordica charantia</i>	Karela
Bottle gourd		<i>Lagenaria siceraria</i>	Lauki
Brinjal		<i>Lolium melongena</i>	Baingan
Cabbage		<i>Brassica oleracea</i> var, Capitata	Band gobi
Carrot		<i>Daucus carota</i>	Gajar
Cauliflower		<i>Brassica oleracea</i> var Botrytis	Phul gobi
Cowpea		<i>Vigna unguiculate</i>	Lobia
Cucumber		<i>Cucumis satius</i>	Kheera
French bean		<i>Phaseolus vulgaris</i>	Faras bean
Indian flat bean or sem		<i>Dolichos lablab</i>	Sem
Kaol Khol		<i>Brassica oleracea</i> var, Gongylodes	Ganth gobi
Lady's finger		<i>Abelmoschus esculentus</i>	Bhindi
Little gourd		<i>Cuccinia cordifolia</i>	Kundur
Musk melon		<i>Cucumis melo</i>	Kharbooza

(Contd.)

Crop/ Group of Crops	English	Botanical	Hindi
(1)	(2)	(3)	(4)
	Onion	Allium cepa	Piyaz
	Pointed gourd	Trichosanthes dioica	Parwal, Potal
	Potato	Solanum tuberosum	Aaloo
	Pumpkin	Curcubita moschata	Sitaphal, Lal Kaddu, Kumbhra
	Radish	Raphanus satius	Muli
	Round gourd of India	Citrullus vulgaris var, fistulosus	Tinda
	Snap melon	Cucumis melovvar, momordica	Phoot
	Snake gourd	Trichosanthes anguina	Chachinda
	Tomato	Lycopersicon escen lentum	Tamatar
	Turnip	Brassica rapa	Shalgam
	Water melon	Citrullus vulgaris	Tarbooz

Drugs and Narcotics

Betal Leave		Paan
Betalnut(arecanut)	Areca catechu	Supari
Indian hemp	Cannabis sativa	Bhang
Opium	Papaver somniferum	Afeem
Tobacco	Nicotiana tabacum and Nicotiana rustica	Tambaku

Condiments and Spices

Black pepper	Piper nigrum	Kalimirch
Cardamom, Cardamum (lesser)	Elettaria cardamomum	Chhoti Ilaichi
Chillies	Capsicum annum	Lalmirch

Appendix-IV

Crop Calendar of Major Crops

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Andhra Pradesh	Sowing	May-June	Nov-Dec	March-April	Jun-Jul	Nov (M)-Dec (M)	Jan	
	Harvesting	Nov-Dec	Mar-April	July-Aug	Sept-Oct	Feb-March	April	
Assam	Sowing	Feb-March	June-July	Nov-Dec				Nov(B)-Dec(M)
	Harvesting	June-July	Nov-Dec	May-June				Mar(E)-Apr(E)
Bihar	Sowing	Jun-Aug	Oct-Nov	Feb.-March				Nov(B)-Dec(E)
	Harvesting	Sep-Nov	April-May	July-Aug				Mar(E)-Apr(E)
Goa	Sowing	May-June						
	Harvesting	Sept-Oct.						
Gujarat	Sowing	June-July	June-Dec		Jun(M)-Jul(M)	Oct (E)-Oct (M)	Feb(M)-Mar(E)	Nov (B)-Dec(B)
	Harvesting	Oct-Nov	Oct-Nov		Sep(M)-Oct(M)	Feb (E)-Feb (M)	May(M)-June(E)	Feb(E)-Mar(E)
Haryana	Sowing	June-July	June-July		Jul(E)-Jul(M)			Oct(E)-Jan(M)
	Harvesting	Sept-Oct.	Sept-Oct.		Sep(E)-Sep(L)			Apr(B)-May(B)
Himachal Pradesh	Sowing	May-June						Oct(B)-Dec(E)
	Harvesting	October						Apr(M)-Jun(E)
Jammu & Kashmir	Sowing	April-May	April-May					Oct(B)-Dec(E)
	Harvesting	Sept-Oct.	Sept-Oct.					Apr(E)-Jun(E)
Karnataka	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(L)-Jun(M)		Jan(E)-Jan (M)	Oct(M)-Nov(E)
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(L)-Oct(M)		Apr(L)-May(E)	Feb(B)-Mar(E)
Kerala	Sowing	April-May	Sept-Oct.	Dec-Jan.				

(Contd.)

States/UTs	Period	Kharif Paddy	Rabi Paddy	Summer Paddy	Kharif Bajra	Rabi Bajra	Summer Bajra	Rabi Wheat
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	Harvesting	Sept-Oct.	Dec-Jan.	March-April				
Madhya Pradesh	Sowing	June-July			Jul(E)-Jul(L)		Feb(L)-Mar(E)	Nov(B)-Dec(E)
	Harvesting	Oct-Nov			Oct(E)-Oct(L)		Jun(E)-June(M)	Feb(E)-Apr(M)
Maharashtra	Sowing	June-July			Jun(L)-Jul(E)		Jan(L)-Feb (E)	Nov(M)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(E)		May(E)-May(M)	Feb(B)-Mar(E)
Odisha	Sowing	May-June	June-July	Dec-Jan.				Oct-Nov
	Harvesting	Sept-Oct.	Nov-Dec	April-May				Mar-Apr
Punjab	Sowing	May-July			Jul(M)-Aug (E)			Oct(E)-Jan(M)
	Harvesting	Oct-Nov			Oct(M)-Oct(L)			Apr(M)-May(B)
Rajasthan	Sowing	June-July			Jun(L)-Jul(M)		Feb(M)-Mar(E)	Oct(E)-Dec(E)
	Harvesting	Oct-Nov			Sep(L)-Oct(M)		May(L)-June(M)	Mar(B)-April(E)
Tamil nadu	Sowing	May-June	Sept-Oct.	Jan.-Feb.	Jun(M)-Jul(M)	Sep (M)- Oct (M)	Feb (M)-Mar (M)	
	Harvesting	Sept-Oct.	Jan.-Feb	May-June	Sep(M)-Oct(M)	Dec (M)- Jan (M)	May (M)-June (M)	
Telangana	Sowing	June-July	Nov-Dec		March-April			
	Harvesting	Nov-Dec	Mar-April		July-Aug			
Uttar Pradesh	Sowing	June-July	Nov-Dec		Jul(E)-Jul(M)		Mar (E)-Mar (M)	Oct(E)-Jan(E)
	Harvesting	Oct-Nov	April-May		Oct(E)-Oct(M)		May (L)-June (E)	Mar(M)-Apr(E)
West Bengal	Sowing	April-July		Nov-Dec				Nov(B)-Dec(E)
	Harvesting	Aug-Nov		April-May				Mar(B)-Apr(B)
All India	Sowing	May-Aug	Dec-Jan.		Jun-Jul		Jan-Feb	Oct-Dec
	Harvesting	Sept-Jan	April-May		Sep-Nov		Apr-May	Feb-Jun

Appendix-IV (contd.)

States	Period	Early duration	Mid early duration	Medium duration	Long duration
		Arhar/Tur	Arhar/Tur	Arhar/Tur	Arhar/Tur
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Karnataka	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Maharashtra	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M)- Nov (E)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Rajasthan	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)-Nov(M)	-	-	-
Uttar Pradesh	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(B)-April(M)
Tamil Nadu	Sowing	June(B)-June (M)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov. (B)- Nov (M)	Dec (M)-Dec(E)	Jan (B) - Jan (M)	-
Gujarat	Sowing	June(M)-June (E)	July (B)-July (M)	July (B)-July (M)	-
	Harvesting	Nov (M) - Nov(E)	Dec(M)-Dec (E)	Jan (B) - Jan (M)	-
Bihar	Sowing	June(B)-June (M)	-	-	Jul(B)-July(M)
	Harvesting	Nov.(B) – Nov(M)	-	-	April(M)-April(E)
Madhya Pradesh	Sowing	June(M)-June (E)	June (M)-July (M)	July (B)-July (M)	-
	Harvesting	Nov(M)-Nov (M)	Nov (E)-Dec(E)	Jan (B) - Jan (M)	-
Uttarakhand	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (M)- Nov(E)	-	-	-
Odisha	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov. (M)- Nov(E)	-	Jan (B) - Jan (M)	-
Haryana	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Punjab	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Oct (M)- Oct(E)	-	-	-
Jharkhand	Sowing	June(B)-June (M)	-	June (E)-July (M)	July (B)- July (M)
	Harvesting	Nov (M)- Nov(E)	-	Jan (B) - Jan (M)	March(M)-April(B)
Chhattisgarh	Sowing	June(B)-June (M)	-	June (E)-July (M)	-
	Harvesting	Nov(B)-Nov (M)	-	Dec (E) - Jan (M)	-
Tripura	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov. (B)- Nov(M)	-	-	-
Nagaland	Sowing	June(B)-June (M)	-	-	-
	Harvesting	Nov (B)- Nov(M)	-	-	-
All India	Sowing	June(B)-June (M)	June(M)-July (M)	July (B)- July (M)	July (B)- July (M)
	Harvesting	Nov (B)- Nov(M)	Nov(M)-Dec (E)	Dec (E)-Jan (M)	March(M)-April(E)

(Contd.)

Appendix-IV (contd.)

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Jan(B)-Feb(B) Mar(B)-April(M)		Nov(B)-Nov(E) Feb(M)-Mar(B)
Assam	Sowing Harvesting	July(B)-Aug(E) Sep(M)-Oct(E)	Aug(B)-Sep(M) Nov(B)-Dec(M)	Feb(E)-Mar(M) May(B)-May(M)		Oct(M)-Nov(M) March(B)-March(E)
Bihar	Sowing Harvesting	July(B)-Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)	Aug(M)-Aug(E) Oct(E)-Nov(B)	Oct(M)-Nov(M) March(B)-March(E) Oct(B)-Oct(E)
Chhattisgarh	Sowing Harvesting	Jun-Jul Sep-Sep				Feb(E)-March(E) Oct(B)-Nov(M)
Gujarat	Sowing Harvesting	July(B)-Aug(E) Sep(M)-Oct(E)				Feb(M)-March(E) Oct(M)-Nov(E)
Haryana	Sowing Harvesting	July(B)-Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct(M)-Nov(E) March(M)-April(B)
Jharkhand	Sowing Harvesting	Jul(B)-Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct(M)-Nov(M) Mar(M)-Apr(M)
Karnataka	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Jan(B)-Feb(B) Mar(B)-April(M)	Aug(E) Oct(M)-Nov(B)	Oct(B)-Nov(E) Jan(M)-Feb(E)
Kerala	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)		Jan(B)-Feb(B) Mar(B)-April(M)		
Madhya Pradesh	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)			August(E) Oct(E)	Oct(B)-Nov(B) Feb(M)-March(E)
Maharashtra	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)		Jul(M) Oct(M)		Sept(E)-Oct(E) Feb(M)-March(E)
Odisha	Sowing Harvesting	Jun(M)-Jul(E)	Oct(B)-Nov(B)	Jan(B)-Feb(B)		

(Contd.)

States/UTs	Period	Kharif Mungbean/ Urdbean	Rabi Mungbean/ Urdbean	Spring/Summer Mungbean/ Urdbean	Horsegram Kharif	Chickpea Rabi
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Punjab	Sowing Harvesting	Sept(M)-Oct(M) July(B) - Aug(E)	Jan(B)-Feb(B)	Mar(B)-April(M) Feb(E)-Mar(M)		Oct. (M) - Nov. (E) March (M) - April (E)
Rajasthan	Sowing Harvesting	Sep(M)-Oct(E) July(B) - Aug(E)		May(B)-May(M)	Jul (M)	Oct. (M) - Nov. (E) March (M) - April (E)
Tripura	Sowing Harvesting	Sep(M)-Oct(E) July(B) - Aug(E)		Feb(E)-April(B) May(B)-June(M)	Oct (M)	
Tamil Nadu	Sowing Harvesting	Jun(M)-Jul(E) Sept(M)-Oct(M)	Oct(B)-Nov(B) Jan(B)-Feb(B)	Feb(E)-April(B) May(B)-June(M)	Oct(E) Feb(B)	
Uttar Pradesh	Sowing Harvesting	July(B) - Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct. (M) - Nov. (E) March (M) - April (E)
West Bengal	Sowing Harvesting	July(B) - Aug(E) Sep(M)-Oct(E)		Feb(E)-April(B) May(B)-June(M)		Oct. (M) - Nov. (E) March (B) - March (E)
Himachal Pradesh	Sowing Harvesting	July(B) - Aug(E) Sep(M)-Oct(E)	-		Jun(M)-Jul(E) Sep(E)-Oct(M)	
Manipur	Sowing Harvesting					Sept- Oct Mar - Apr
Meghalaya	Sowing Harvesting					Sep(B)-Oct(E) Dec(B)-Jan(E)

(Contd.)

Appendix-IV (contd.)

State (1)	Period (2)	Kharif-Soybean (3)	Niger(Kharif) (4)	Niger(Late Kharif) (5)
Madhya Pradesh	Sowing	June(M)- July(M)	June(M) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Maharashtra	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Dec(E)	Nov(B)-Dec(B)
Rajasthan	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Karnataka	Sowing	June(M) - July(B)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(M)- Nov(M)	Nov(B)-Dec(B)
Andhra Pradesh	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Chhattisgarh	Sowing	June(M)- July(M)	June(M) - July(E)	
	Harvesting	Sept(E)- Oct(B)	Oct(L)- Nov(L)	
Uttar Pradesh	Sowing	June(E)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Manipur	Sowing	June- July		
	Harvesting	Sept(E)- Oct(B)		
Meghalaya	Sowing	June - July		
	Harvesting	Sept(E)- Oct(B)		
West Bengal	Sowing	June(M)- July(M)		
	Harvesting	Sept(E)- Oct(B)		
Odisha	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Nov(L)	Nov(B)-Dec(B)
Bihar / Jharkhand	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(L)- Dec(M)	Nov(B)-Dec(B)
Gujarat	Sowing	June(M)- July(M)	June(B) - July(E)	Aug(B)- Sept(B)
	Harvesting	Sept(E)- Oct(M)	Oct(M)- Nov(L)	Nov(B)-Dec(B)

(Contd.)

Appendix-IV (contd.)

States /UTs	Period	Rabi Gram	Rabi Lentil	Rabi Pea
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Nov (B)-Nov (E)		
	Harvesting	Feb (M)-Mar (B)		
Assam	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Bihar	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Chhattisgarh	Sowing	Oct(M)- Oct(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(E)-Mar (E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Goa	Sowing		Dec(B)-Jan(E)	
	Harvesting		Mar(B)-May(E)	
Jharkhand	Sowing	Oct(M)- Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Rajasthan	Sowing	Oct(M)- Nov(E)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
	Harvesting	Mar(M)-Apr (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Tripura	Sowing		Oct(E) – Nov(B)	Oct(E) – Nov(M)
	Harvesting		Mar(B)-Apr(M)	Mar(B)-Apr(M)
Gujarat	Sowing	Oct(B)-Nov(M)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Feb(M)-Mar(M)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Haryana	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(B)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Karnataka	Sowing	Oct(B)-Nov(E)		

(Contd.)

	Harvesting	Jan(M)-Feb(E)		
Madhya Pradesh	Sowing	Oct(B)-Nov(B)	Oct(E) – Nov(M)	Oct(E) – Nov(M)
	Harvesting	Feb(M)-Mar (E)	Mar(B)-Apr(M)	Mar(B)-Apr(M)
Maharashtra	Sowing	Sep(E)-Oct(E)		
	Harvesting	Feb(M)-Mar(E)		
Manipur	Sowing	Sept-Oct		
	Harvesting	Mar-Apr		
Meghalaya	Sowing	Sep(B)-Oct(E)	Sep(B)-Oct(E)	
	Harvesting	Dec(B)-Jan(E)	Feb(B)-Mar (M)	
Punjab	Sowing	Oct(M)-Nov (E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
Uttar Pradesh	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(M)-Apr(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)
West Bengal	Sowing	Oct(M)-Nov(E)	Oct(M) – Nov(M)	Oct(M) – Nov(M)
	Harvesting	Mar(B)-Mar(E)	Mar(M)-Apr(M)	Mar(M)-Apr(M)

(Contd.)

Appendix-IV (contd.)

States	Period	Groundnut Kharif	Rabi	Summer/ Spring
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing	Jun(B)-Aug(B)	Nov(M)-Jan(E)	
	Harvesting	Oct(B)-Nov(E)	Feb(E)-May(B)	
Assam	Sowing		July(B)-Aug(E)	
	Harvesting		Nov(B)-Dec(E)	
Bihar	Sowing			
	Harvesting			
Chhattisgarh	Sowing	Jun(M)-Jul(E)		
	Harvesting	Sep(M)-Nov(B)		
Gujarat	Sowing	Jun(B)-July(E)		Jan(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)		Apr(B)May(E)
Haryana	Sowing			
	Harvesting			
Jammu & Kashmir	Sowing			
	Harvesting			
Jharkhand	Sowing	Jun(M)-Aug(B)		
	Harvesting	Oct(B)-Nov(E)		
Karnataka	Sowing	Jun(B)-Jul(E)	Nov(M)-Jan(E)	Dec(B)-Jan(E)
	Harvesting	Oct(B) – Nov(E)	Feb(E)-May(B)	Mar(B)-June(E)
Madhya Pradesh	Harvesting	Jun(M)-July(E) Oct(B)-Nov-(M)		
	Sowing	Jun(E)-Jul(E)		Jan(B)-Feb(E)
Maharashtra	Harvesting	Oct(B)-Nov(B)		Apr(B)May(E)
	Sowing	Jul(B)-Jul(E)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
Odisha	Harvesting	Oct(E)-Nov(B)	Jan(B)	Apr(B)May(E)
	Sowing	May(B)-Jun(E)		Mar (B)- Mar (E)
Punjab	Harvesting	Oct(B)-Nov(E)		June(M)- June(E)
	Sowing	May(B)-Jun(E)		
Manipur	Harvesting	Oct(B)-Nov(E)		
	Sowing	Jun(B)-Jul(E)		Jan(M)-Feb(M)
Rajasthan	Harvesting	Oct(B)-Nov(E)		May (M) May(E)
	Sowing	Jun(B)-Jul(B)	Sep(E)-Oct(B)	Jan(B)-Feb(E)
Tamil Nadu	Harvesting	Sep(B)-Oct(B)	Jan(B)	Apr(B)-May(E)
	Sowing	Jul(B)-Jul(E)		
Uttar Pradesh	Harvesting	Oct(B)-Nov(B)		
	Sowing	Jun(E)-Jul(B)	Oct(E)-Nov(B)	Feb(B)-Mar(E)
West Bengal	Harvesting	Sep(E)-Oct(B)	Jan(E)-Mar(B)	May(B)-Jun(E)
	Sowing	Jun(B)-Jul(E)	Dec(B)-Jan(E)	
Puducherry	Harvesting	Sep(B)-Oct(E)	Mar(B)-Apr(E)	
	Sowing	Jun-Jul	Nov-Jan	Jan-Feb
All India	Harvesting	Oct-Nov	Feb-May	Apr-May

(Contd.)

Appendix-IV (contd.)

States	Period	Rabi Linseed
(1)	(2)	(3)
Assam	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Andhra Pradesh	Sowing	Oct (B)- Oct (E)
	Harvesting	Feb (L)-Mar (L)
Bihar	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E)- Apr (L)
Madhya Pradesh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Chhattisgarh	Sowing	Oct (B)- Nov (M)
	Harvesting	Mar (E)-Mar (L)
Maharashtra	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Uttar Pradesh	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Odisha	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar (L)
Jharkhand	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (L)
Karnatka	Sowing	Oct (B)-Oct (E)
	Harvesting	Feb (E)-Mar (M)
Nagaland	Sowing	Oct (B)- Nov (B)
	Harvesting	Mar (E) - Apr (L)
West Bengal	Sowing	Oct (B) - Nov (B)
	Harvesting	Mar (E) - Apr (M)
Rajasthan	Sowing	Oct (B)-Oct (E)
	Harvesting	Mar (E)-Mar(L)
Himachal Pradesh	Sowing	Oct (B)- Nov(B)
	Harvesting	Apr (L) -May (M)
Jammu & Kashmir	Sowing	Oct (B)- Nov (B)
	Harvesting	Apr (L) - May (M)
Punjab	Sowing	Oct (M) -Nov (M)
	Harvesting	Mar (L) - Apr (L)

(Contd.)

Appendix-IV (contd.)

States	Period	Sesame			
		Kharif (3)	Pre Rabi (4)	Rabi (5)	Summer (6)
Andhra Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Karnataka	Sowing	June (M)-July (M)			
	Harvesting	Oct(M)- Nov(M)			
Kerala	Sowing	June (M)-July (M)			Jan(M)-Feb(E)
	Harvesting	Oct(M)- Nov(M)			Apr(M)-May(E)
Madhya Pradesh	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		
Maharashtra	Sowing	June (M)-July (M)	Aug(B)- Sept(M)		Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)	Dec(E)- Jan(M)		Apr(M)-May(E)
Odisha	Sowing	June(B)-July(E)		Oct(B)-Nov(M)	Jan(M)- Feb(E)
	Harvesting	Oct(M)- Nov(M)		Feb(M)- Mar(E)	May(M)-June(M)
Rajasthan	Sowing	June(B)-July(E)			
	Harvesting	Oct(M)- Nov(M)			
Uttar Pradesh	Sowing	June(B)-July(E)			Feb.- March
	Harvesting	Oct(M)- Nov(M)			May(M)-Jun(M)
West Bengal	Sowing	June(B)-July(E)			Feb(M)-Mar(M)
	Harvesting	Oct(M)- Nov(M)			May(M)-June(M)
Gujarat	Sowing	June (M)-July (M)			Feb.- March
	Harvesting	Oct- Nov			May -June
Tamil Nadu	Sowing	June-July	Aug(B)- Sept(M)	Oct(B)-Nov(M)	Jan.- Feb
	Harvesting	Oct- Nov	Dec(E)- Jan(M)	Feb(M)- Mar(E)	May(M)-June(M)
Telangana	Sowing	June (M)-July (M)			
	Harvesting	Oct (L)- Nov (E)			
All India	Sowing	Jun-July	Aug(B)- Sept(M)	Feb (L)- Mar (M)	Apr (E)-May (E)
	Harvesting	Sep-Nov	Dec(E)- Jan(M)	Oct(B)-Nov(M)	Jan.- March
					May -June

(Contd.)

Appendix-IV (contd.)

States	Period	Sunflower		Summer/ Spring	Castor Kharif	Safflower Rabi
		Kharif	Rabi			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Andhra Pradesh	Sowing	Jun(B)-Aug(E)	Oct	Jun-Jul	Jun-Jul	October
	Harvesting	Sep - Nov	Jan	Dec-Jan	Dec-Jan	Feb
Assam	Sowing					
	Harvesting					
Bihar	Sowing		Dec-Jan			
	Harvesting		Apr-May			
Chhattisgarh	Sowing			Jul	Jul	
	Harvesting			Feb	Feb	
Gujarat	Sowing			Jul-Aug	Jul-Aug	
	Harvesting			Jan-Feb	Jan-Feb	
Haryana	Sowing			Feb-Mar	Jul-Aug	
	Harvesting			May	Jan-Feb	
Jammu & Kashmir	Sowing					
	Harvesting					
Jharkhand	Sowing					
	Harvesting					
Karnataka	Sowing	Jun(B)-Aug(E)	Oct	Dec-Jan	Jul-Aug	October
	Harvesting	Sep - Nov	Jan	Mar-Apr	Nov-Dec	Feb
Madhya Pradesh	Sowing					
	Harvesting					

(Contd.)

States	Period	Sunflower		Summer/ Spring	Castor Kharif	Safflower Rabi
		Kharif	Rabi			
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Maharashtra	Sowing	Jul(B)-Aug(E)	Oct		Jun-Jul	Sep-Oct
	Harvesting	Oct - Nov	Jan		Dec-Jan	Jan-Feb
Odisha	Sowing				Jun-Jul	
	Harvesting				Dec-Jan	
Punjab	Sowing			Feb		
	Harvesting			Apr-May		
Rajasthan	Sowing				Jul-Aug	
	Harvesting				Jan-Feb	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Oct		Jun-Jul	
	Harvesting	Sep - Nov	Jan		Dec-Jan	
Telangana	Sowing	Jun(B)-Aug(E)			Jun-Jul	October
	Harvesting	Sep - Nov			Dec-Jan	Feb
Uttar Pradesh	Sowing					
	Harvesting					
West Bengal	Sowing			Feb		
	Harvesting			Apr-May		
All India	Sowing	Jun-Aug	Oct	Feb	Jul-Aug	October
	Harvesting	Sep-Nov	Jan	Apr-May	Jan-Feb	Feb

(Contd.)

Appendix-IV (contd.)

State	Rapeseed-Mustard	Sowing Time	Harvesting Time
(1)	(2)	(3)	(4)
Andhra Pradesh	Mustard/ Banarasi rai	Nov (L)- Dec (E)	Feb-March
Assam	Toria/Mustard	Oct (M) - Dec (E)	Feb-March
Bihar	Mustard	Oct (E) - Oct (M)	Feb-March
	Toria	Sep (M)- Sep(L)	Jan-Feb
	Yellow Sarson	Oct (E)-Oct (M)	Feb-March
Chhattisgarh	Mustard	Oct (E)- Nov(M)	March
	Toria	Sep (L)	Dec-Jan
Delhi	Mustard	Oct (L)- Nov(E)	Feb-March
	Toria	Sep (L)	Jan
	Taramira	Nov(E)	March
Gujarat	Mustard	Oct(L)	Feb-March
	Yellow Sarson	Oct (L)	Feb
Haryana	Mustard	Oct (E) - Nov (E)	Feb-March
	Toria	Sep (E)	Dec-Jan
	Taramira	Nov(E)	March
Himachal Pradesh	Mustard	Oct (L)- Nov (L)	March-April
	Toria	Sep (E)-Sep (M)	Dec-Jan
	Brown Sarson	Oct (E) -Oct-(M)	April
	Gobhi Sarson	Sep (M) - Nov (L)	April
Jammu & Kashmir	Mustard	Oct(M)- Nov (E)	March-April
	Brown sarson	Oct (E)-Oct (L)	April-May
Jharkhand	Mustard	Oct (L)	March
	Toria	Sept (M)-Sep (L)	Jan-Feb
	Yellow Sarson	Oct (E)	Feb-March
Karnataka	Mustard	Oct (E)-Oct (L)	Feb
Madhya Pradesh	Mustard	Sep (L)-Nov (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
Manipur	Mustard	Nov (E)-(Nov (L)	March
	Toria	Oct (E)	Feb-March
Maharashtra	Mustard	Oct (M)- Nov (M)	Feb-March
Odisha	Mustard	Oct (M)- Nov (M)	Feb-March
	Toria	Oct (E) -Oct-(M)	Feb
	Yellow Sarson	Oct (E)	Feb-March
Punjab	Mustard	Oct (M)- Nov (L)	March- April
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Taramira	Oct (E)-Oct(L)	March
	Gobhi Sarson	Oct (M)- Nov (M)	March-April
	Karan rai	Oct (M)- Nov (L)	March-April
Rajasthan	Mustard	Sep (M) - Oct (L)	Feb-March
	Taramira	Sep (L)- Oct (M)	March
Uttarakhand	Mustard/ Karan rai	Oct (L)- Nov (L)	March
	Toria	Sep (L)	Dec-Jan
	Yellow Sarson	Oct (E)	March
Uttar Pradesh	Mustard	Oct (E)-Oct (L)	Feb-March
	Toria	Sep (E)-Sept (M)	Dec-Jan
	Yellow Sarson	Oct (E)-Oct(L)	Feb-March
West Bengal	Mustard	Oct (M)-Nov(L)	Feb-March
	Toria	Sep (L)- Nov (M)	Feb
	Yellow Sarson	Oct (M)- Nov (M)	Feb-March

(Contd.)

Appendix-IV (contd.)

States/UTs	Period	Kharif	Kharif	Rabi	Spring Maize
		Cotton	Maize	Maize	
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	Sowing	Jun(E)-Jul(E)	Jun(M)-Jul(M)	Oct(E)-Jan(M)	
	Harvesting	Dec(E)-Mar(M)	Sep(M)-Oct(E)	Feb(E)-May(B)	
Bihar	Sowing	July(B)	Jun(M)-Jul(B)	Nov(B)-Dec(E)	Feb(B)-Feb(E)
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Nov(M)	Feb(B)-Mar(B)	May(B)-May(E)
Gujarat	Sowing	May(B)-May(E)	Jun(E)-Jul(B)		
	Harvesting	Oct(B)-Apr(E)	Sep(B)-Nov(B)		
Haryana	Sowing	Apr(B)-Apr(M)	Jul(B)-Jul(M)		
	Harvesting	Oct(M)-Nov(M)	Oct(M)-Oct(E)		
Himachal Pradesh	Sowing		May(M)-Jun(E)		
	Harvesting		Sep(M)-Oct(M)		
Jammu	Sowing		Jun(E)-Jul(E)		
	Harvesting		Oct(M)-Nov(B)		
Kashmir	Sowing		May(B)-May(E)		
	Harvesting		Oct(B)-Oct(E)		
Karnataka	Sowing		May(M)-Jun(E)	Oct(B)-Oct(E)	
	Harvesting		Sep(B)-Oct(E)	Feb(B)-Mar(E)	
Kerala	Sowing	Jun(B)-Oct(E)			
	Harvesting	Dec(B)-Mar(E)			
Madhya Pradesh	Sowing	Jun-Jul	Jun(M)-Jul(E)		
	Harvesting	Nov-Jan	Aug(M)-Nov(E)		
Maharashtra	Sowing	Jun-July	Jul(B)-Aug(E)		
	Harvesting	Nov-Jan	Oct(B)-Nov(E)		
Odisha	Sowing	Jun-July	Jun-Jul		
	Harvesting	Nov-Jan	Sep-Oct		
Punjab	Sowing	Apr(B)-Mar(E)	May(B)-Jun(E)		Feb(B)-Feb(E)
	Harvesting	Oct(B)-Dec(E)	Sep(B)-Oct(E)		May(B)-May(E)
Rajasthan	Sowing	Apr(B)-May(E)	Jun(E)-Jul(M)		
	Harvesting	Nov(B)-Dec(E)	Oct(B)-Nov(E)		
Uttar Pradesh	Sowing	Apr(B)-Jun(E)	Jun(M)-Jul(M)		Feb(B)-Feb(E)
	Harvesting	Sep(B)-Nov(E)	Sep(M)-Oct(M)		May(B)-May(E)
West Bengal	Sowing	Oct(B)-Nov(E)	May(E)-Jun(E)	Nov(B)-Nov(E)	Feb(B)-Feb(E)
	Harvesting	June(B)-Aug(E)	Sep(M)-Oct(M)	Mar(B)-Mar(E)	May(B)-May(E)
Tamil Nadu	Sowing	Aug-Sept	Jun(E)-Jul(M)	Sep(E)-Oct(E)	Jan(E) - Feb(E)
	Harvesting	Feb(B)-April(E)	Oct(M)-Oct(E)	Jan(B)-Jan(E)	May (B) - May (E)
All India	Sowing	Apr-Jul	May-Aug	Sep-Jan	Jan(E) - Feb(E)
	Harvesting	Sep-Dec	Sep-Nov	Jan-May	May (B) - May (E)

(Contd.)

Appendix-IV (contd.)

States/UTs	Period	Sugarcane		Jute Kharif
		Kharif	Rabi	
(1)	(2)	(3)	(4)	(5)
Andhra Pradesh	Sowing		Dec(E)-Jun(M)	
	Harvesting		Dec(E)-May(M)	
Assam	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Jan(E)	
Bihar	Sowing	Oct(B)-Nov(E)	Feb(B)-Mar(E)	
	Harvesting	Oct(B)-Dec(E)	Nov(B)-Feb(E)	
Haryana	Sowing		Feb(M)-Mar(M)	
	Harvesting		Dec(M)-March(E)	
Karnataka	Sowing		Dec(B)-Mar(E)*	
	Harvesting		Aug(B)-May(E)	
Kerala	Sowing		Dec(B)-Jan(E)***	Jun(B)-Oct(E)
	Harvesting		Dec(B)-Jan(E)	Oct(B)-Jan(E)
Madhya Pradesh	Sowing	Oct(B)-Apr(E)		
	Harvesting	Oct(E)-Mar(E)		
Maharashtra	Sowing	Jul(B)-Aug(E)		
	Harvesting	Oct(B)-Nov(E)		
Manipur	Sowing			Feb-Mar
	Harvesting			Aug-Sep
Odisha	Sowing		Feb-May	May-Jun
	Harvesting		Nov-Feb	Aug-Sep
Punjab	Sowing		Feb(B)-Mar(E)	
	Harvesting		Nov(B)-Feb(E)	
Rajasthan	Sowing		Mar(B)-Apr(E)	
	Harvesting		Dec(B)-Mar(E)	
Tamil Nadu	Sowing	Jun(B)-Aug(E)	Dec(B)-Jan(E)***	
	Harvesting	May(B)-Aug(E)	Dec(B)-Jan(E)	
Tripura	Sowing		Feb-May	Mar-May
	Harvesting		Dec-Mar	Aug-Sep
West Bengal	Sowing	Oct(B)-Apr(E)		Mar(B)-May(E)
	Harvesting	Oct(B)-Mar(E)		Jul(B)-Aug(E)
All India	Sowing	Jun(B)-Oct(E)	Feb(B)-Aug(E)	Feb-Jun
	Harvesting	Oct(B)-Jan(E)	Aug(B)-Nov(E)	Aug-Oct
B: Beginning	E: Early	M: Middle	L: Late	

Source: Indian Council of Agricultural Research (Crop Science Division)

*=Annual; **Early Kharif; ***Early sugarcane

(Contd.)

Appendix-V

Harvesting Season of Major Fruits

State / Uts	Mango (2)	Apple (3)	Banana (4)	Lime/Lemon (5)	Grapes (6)
Andhra Pradesh	April - may	*	round the year	Oct. - Dec.	March-April
Arunachal Pradesh	*	Oct.	round the year	round the year	*
Assam	Jun. - Aug.	*	round the year	June - Sep.	*
Bihar	June - July	*	Sept. -Nov.	*	*
Chhattisgarh	April - June	*	Feb-March.& July-Sep.	March-April & July-Aug.	*
Delhi	*	*	*	*	*
Goa	*	*	round the year	*	*
Gujarat	May	*	Sept. -Nov.	Sept.-oct.	*
Haryana	July	*	*	Dec.	June
Himanchal Pradesh	July	Aug. - Sep.	July - Aug.	Nov.-Jan.	July
Jammu & Kashmir	July	Sept. - Oct.	*	Nov.-Dec.	June - July
Jharkhand	May - June	*	Sept. -Nov.	Sept. -Dec.	*
Karnataka	April - June	*	July-Nov.	July-Sep.	*
Kerala	Feb. - March	*	Aug-Sept. & Nov.-Dec.	*	*
Madhya Pradesh	May-June	*	July - Aug.	July-Sep.	March-April
Maharashtra	April - may	*	round the year	March-April	March & May
Manipur	*	*	August	Dec.	*
Meghalaya	*	*	June	*	*

(Contd.)

State / Uts	Mango (2)	Apple (3)	Banana (4)	Lime/Lemon (5)	Grapes (6)
Mizoram	July	*	Feb	Aug	Oct.
Nagaland	July	*	round the year	*	*
Odisha	April - June	*	Sep. to Dec.	Aug-Sep.	*
Punjab	June	*	*	round the year	May-June
Rajasthan	June	*	*	Aug	June
Sikkim	June	*	Sep.-Oct.	*	*
Tamil Nadu	May-June	*	round the year	Feb. - March	May & Nov.
Tripura	June	*	round the year	June - July	*
Uttar Pradesh	June	*	Aug-Sep.	Dec.	June
Uttarakhand	June-Aug	July - Aug	May-Aug	May-July & Nov-Dec.	*
West Bengal	June-July	*	Aug-Sep.	Sep.	*
Andaman & Nicobar	Jan. - April	*	Jan.-March & Oct.-Dec.	*	*
Chandigarh	*	*	*	*	*
D & N Haveli	May	*	Sep.-Nov.	*	*
Daman & Diu	May	*	Sep.-Nov.	*	*
Lakshadweep	*	*	round the year	*	*
Puducherry	June-July	*	Aug	Jan.	*

* Information not available.

Source: Indian Horticulture Database -2014.

(Contd.)

Appendix-VI

Harvesting Season of Major Vegetables

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Andhra Pradesh	April - June	April & June Sep.-Nov.	round the year	Nov. & Jan.	Nov. & Jan.
Arunachal Pradesh	*	*	*	*	*
Assam	Dec. - Jan.	Dec. - Feb.	Dec.-Feb.	Jan.-Feb.	Nov. - Feb.
Bihar	Jan.-Feb.	March-April	Jan.-Feb.	Nov. - Feb.	Dec.-Feb.
Chhattisgarh	Jan. - Mar.	March-April	Aug.-Feb.	Aug.-Feb.	Aug.-Feb.
Delhi	*	*	*	*	*
Goa	*	*	*	*	*
Gujarat	Jan.	Feb.	Dec. - Mar.	Dec.-Feb.	Dec.-Feb.
Haryana	Feb.-Mar.	April & Dec.	April-Oct.	Jan.	Jan.
Himanchal Pradesh	May-June & Aug.-Nov.	May-June	May-Aug	Sep.-Dec. & Feb.	Dec.-Feb.& Aug.-Oct.
Jammu & Kashmir	April & July	May-June	April	Oct.-April	Oct. - April
Jharkhand	Dec.-Feb.	March. - April.	Feb.& Dec.	Nov. - Dec.	Oct. - Dec..
Karnataka	Feb.-March & Sep.-Oct.	April - June & Sep.-Oct.	May-July	round the year	round the year
Kerala	*	*	*	*	*
Madhya Pradesh	Feb. - March	March. - April.	Oct. & Dec.-Feb.	Jan.-Feb.	Jan.-Feb.
Maharashtra	Mar. - May.	April	round the year	Jan.-Feb.	*
Manipur	Dec.- Jan.	*	July-Aug.	July-Aug.	Oct. -Jan.

(Contd.)

State/UT	Potato	Onion	Tomato	Cabbage	Cauliflower
(1)	(2)	(3)	(4)	(5)	(6)
Meghalaya	April	Dec.	April	Aug	Oct.
Mizoram	Sep.	March	Aug.	Dec.	*
Nagaland	Feb.	Oct.	*	Feb.	March
Odisha	Feb. - March	Feb. -April	Jan.-March	Dec. - Mar.	Nov. - Feb.
Punjab	Dec- Jan.	April	May	Dec. - Mar.	Dec.-Jan.
Rajasthan	Jan.-Feb.	April & Nov.	Nov.Dec.	Dec.	Jan.
Sikkim	June -Aug	Feb. - March	June-Sep.	June-Oct.	Nov. - March.
Tamil Nadu	round the year	Aug. & Nov.	round the year	May.& Dec.	Feb. & Dec.
Tripura	*	*	*	*	*
Uttar Pradesh	Mar. - April.	March	Feb.	Jan.	Jan.
Uttarakhand	July-Aug. & Oct.-Dec.	May	Nov.-Jan.& May-June	Nov.-Aug	Nov. - Feb.& July-Aug
West Bengal	March	April	Jan. - Feb.	Nov.-Feb.	Dec. - Jan.
Andaman & Nicobar	*	*	Oct.-March & June - July	Nov.-Jan.	Nov. - Jan.
Chandigarh	*	*	*	*	*
D & N Haveli	Jan.	Feb.	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Daman & Diu	Jan.	*	Dec.-Feb.	Dec.- Feb.	Dec. - Feb.
Lakshadweep	*	*	*	*	*
Puducherry	April & July	April & Nov.	*	*	*

Source: Indian Horticulture Database -2014.

* Information not available.

Appendix-VII

Seed Rate of sowing for important field crops

(Kg/Ha)

Crop (1)	Variety Seed Rate (2)	Hybrid Seed Rate (3)
Cereals		
Rice	25-40	12-15 for normal planting 5 under SRI planting
Wheat	100	
Barley	100	
Sorghum	Grain Rabi 8-10; Grain Kharif 10	7.5
Pearl Millet	4-5	4-5
Maize	Normal field corn 18-20; Fodder 30-40	20
Ragi	10-12.5	10-12.5
Pulses		
Pigeon pea	Early duration 17-19 Medium duration 15-17; Long duration 12-15	
Chickpea (Large seeded)	75-100	
Chickpea Desi (small seeded)	65-75	
Chickpea Kabuli	100-120	
Mungbean	Kharif-20, Rabi 25-30, Summer 20-30	
Urdbean	Kharif-20, Rabi 25-30, Summer 20-30	
Fieldpea	80-100	
Lentil	50-60	
Rajmash	75-100	
Mothbean	15-18	
Kulthi	22-30	
Oilseeds		
Groundnut	140-160	
Rapeseed & M	3-5	3.5
Soybean	65-75	
Sunflower	5	5
Sesame	5	
Niger	5	
Safflower	7	
Linseed	30 for seed type 45 for dual purpose type	
Castor	5	5

(contd.)

Appendix-VII(*contd.*)

Crop	Variety Seed Rate	Hybrid Seed Rate
(1)	(2)	(3)
Forage crops		
Sorghum	25 in small seeded varieties; 40 in bold seeded varieties	
Maize	40-50	
Guar	20-30	
Pearl Millet	8-12	
Oats	80 (small), 100 (Bold)	
Berseem	20-25	
Gobhi Sarson	4	
Lucerne	15	
Fibre Crops		
Cotton	10-12	Bt. Cotton - 2.25 Non-Bt. Cotton 10
Jute	6 (olitorius), 7 (capsularis)	
Sunhemp	25	
Mesta	12 (Rosella), 15 (Kenaf)	
Sugar Crops		
Sugarcane	60 qtls. (40,000 sets of 3 buds in sub tropics) (20,000-25000 sets of 3 buds in tropics)	-

Source:- Indian Council of Agricultural Research (ICAR)

Notes



Agricultural Statistics at a Glance, a flagship publication of the Ministry of Agriculture and Farmers Welfare, captures important developments in agriculture and allied sector in India. This edition of the publication provides exhaustive and updated data on crop production and productivity, agricultural inputs, price support and procurement, domestic and international trade, rainfall, credit and insurance, etc. Progress on the recent initiatives by the Government, including Pradhan Mantri Fasal Bima Yojana, Micro Irrigation, Soil Health Card, Cold Storage infrastructure, etc. has also been incorporated in this edition.